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1934

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Ontario Department of Agriculture

REPORT

OF THE

Minister of Agriculture

Province of Ontario

FOR THE YEAR ENDING OCTOBER 31, 1932

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 21, 1933

ONTARIO

TORONTO
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1933

DEPARTMENT OF AGRICULTURE

PROVINCE OF ONTARIO

To The Honourable Herbert Alexander Bruce,
Colonel in Royal Army Medical Corps, F.R.C.S. (England),
Lieutenant-Governor of Ontario.

May It Please Your Honour:

I have the honour to submit the Report of the Department of Agriculture for the year 1931-1932.

I have the honour to be, Sir,

Your obedient servant,

Thomas L. Kennedy,
Minister of Agriculture.

Toronto, October 31st, 1932.

PRINCIPAL OFFICERS OF THE DEPARTMENT OF AGRICULTURE

Colonel The Honourable Thomas L. Kennedy, *Minister*
James B. Fairbairn, *Deputy Minister*
Miss B. MacDonald, *Secretary to the Minister*
Miss M. S. Martin, *Accountant*

G. I. Christie, B.S.A., D.Sc	*President, Ontario Agricultural College*
C. D. McGilvray, M.D.V., D.V.Sc	*Principal, Ontario Veterinary College*
W. J. Bell, B.S.A	*Principal, Kemptville Agricultural School*
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J. Lockie Wilson	*Superintendent, Agricultural and Horticultural Societies Branch*
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E. F. Palmer, B.S.A	*Director, Vineland Horticultural Experimental Station*
G. H. Barr	*Director, Dairy Branch*
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J. A. Carroll, B.S.A	*Director, Crops Co-operation and Markets Branch*
G. A. Elliot	*Director, Colonization and Immigration Branch*
W. B. Roadhouse	*Chairman, Agricultural Development Board*
W. G. Nixon, B.S.A	*Superintendent, New Liskeard Demonstration Farm*
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L. H. Hanlan, B.S.A	*Superintendent, Hearst Demonstration Farm*
L. Caesar, B.A., B.S.A	*Provincial Entomologist*
L. Stevenson, B.V.Sc., M.S	*Provincial Zoologist*
W. B. Somerset	*Chairman, Ontario Marketing Board*
Wm. C. Noxon	*Agent-General for Ontario in the British Isles*

ONTARIO AGRICULTURAL COLLEGE AND EXPERIMENTAL FARM
1932

OFFICIAL OPENING OF THE NEW ADMINISTRATION BUILDING AND STUDENTS' RESIDENCE

His Excellency, Lord Bessborough, Governor-General of Canada, formally and officially opened the New Administration Building and Students' Residence on Saturday, October 22nd, 1932. The vice-regal party, accompanied by the Prime Minister of Ontario, The Honourable George S. Henry, arrived at the College at 11.15 o'clock.

Opening exercises of the new building consisted of short talks by the President of the College, the Premier of the Province, and His Excellency Lord Bessborough. In his opening remarks, Dr. Christie reviewed the developments of the College from its inception in Morton Lodge, a stone residence in the centre of a valuable tract of land which now forms part of the College area. At various stages, the complement of buildings, which now composes the Ontario Agricultural College, has been added. "The new building," President Christie pointed out, " is in line with the general progressive agriculture in this Province, and is indicative of the faith which the people of this Province have in its agriculture." Dr. Christie expressed appreciation of the visit of His Excellency, Premier Henry, Colonel The Honourable T. L. Kennedy, and other interested friends.

The Honourable Mr. Henry, a former student of the O.A.C., gave a short talk in which he expressed his confidence in agriculture and in the work of the College. Mr. Henry introduced His Excellency Lord Bessborough, who voiced the special pleasure it gave him to associate himself with the formal opening of this important agricultural building and expressed his thanks for the cordial welcome extended by the students, faculty and friends.

Immediately following this programme, His Excellency opened the main doors, admitting the visitors for the inspection of the building. Later, in the War Memorial Hall, His Excellency placed a wreath at the tablet in the Memorial Chamber.

TED WILDMAN TROPHY

The Ted Wildman Trophy comes as a gift from the Harris Abattoir, Toronto, to the O.A.C. Alumni Association, to be awarded annually to the senior or graduate student rugby player exemplifying to the highest degree characteristics of true sportsmanship and gentlemanly conduct.

A YEAR OF SCHOLASTIC AND ATHLETIC ACCOMPLISHMENTS

The College is proud to record the following achievements by its students and ex-students during the past year:

Live Stock Judging at the International Live Stock Show, Chicago, fourth place.

Judging Dairy Cattle at the National Dairy Congress, second place.

Judging Horses at the Royal Winter Fair in competition for the Robert Graham Memorial Trophy, first place and second place.

In Essay Writing Competition, sponsored by Saddle and Sirloin Club of Chicago, first place and five out of eight individual prizes.

Intermediate Intercollegiate Rugby Championship, Canadian Rugby Union, finalists.

Intermediate Intercollegiate Soccer Championship.

Intermediate Intercollegiate Basketball Championship of Canada.

A Rhodes Scholarship at Oxford University, England, the first ever awarded in agriculture, won by W. J. Garnett, B.S.A.

COLLEGE ATTENDANCE

It is gratifying to report that although agricultural conditions continue to be unfavourable, interest in agricultural education is well maintained.

The attendance in the various courses is as follows (figures for general courses include students of the Winter Term and new students of the Fall Term, 1932):

General Course	721	
Specialists in General Course Work	5	
Poultry Specialists (One Year Course)	5	
Dairy Courses	185	
Live Stock and Field Crops	152	
Poultry Raising	43	
Horticulture	170	
Apiculture	11	
Farm Mechanics	32	
Farm Power	20	
Baking School	27	
		1,371
Domestic Science (at Macdonald Institute)	493	
Girls' Conference (Junior Women's Institute)	156	
Home Economics (2 weeks)	27	
		676
Summer Courses:		
Intermediate Course—First year, 41; Second year, 54; Specialists, 14	109	
Elementary Course—First year, 155; Second year, 148	303	
Farm Mechanics	22	
		434
Total		2,481

Analysis of College Roll (General Course)

From Ontario	607	
From other Provinces of Canada	34	
From Great Britain and Ireland	60	
From other Countries	20	
		721

RESEARCH PROJECTS

An increasing number of fundamental problems concerning various phases of farming are demanding extensive investigation. A number of projects have been in progress for the past three years while others have been more recently organized. Definite and valuable information has been gained. The general principle of research work adopted at this institution has been to enlist the active co-operation of all departments that have an interest in the problems under study, and which may contribute to the solution of the problems. This principle of co-operation ensures a much more thorough study of all problems and greatly enhances the likelihood of their solution.

How to market agricultural products with the greatest returns to the farmer calls for immediate and extensive study. The Department of Farm Economics has given considerable time to this work. In co-operation with cheese factory organizations, a study has been made of the organization and management of more than 140 cheese factories. Methods used in the disposing of dairy cows has been studied on thirty-nine farms in Oxford County. The general conclusion reached is that only the more inferior dairy cows reach the stockyard. In co-operation with the Agricultural Economics Branch of the Department at Ottawa, a study has been made of the orchards in Prince Edward, Durham, Simcoe, York and Peel Counties.

Cold storage as an aid in marketing the fruit and vegetable crops of Ontario has been made the subject of an extensive study by the Department of Horticulture. Special attention has been given to such factors as maturity at picking, fruit colouring, size, delayed storage and the occurrence of scald.

Bitter pit or "Stippen" has been found in some stored samples. Delay in storage has been found to increase this disease while storage at 32° F. apparently controlled it. Premature picking of plums causes much waste as does picking overripe fruit, especially when a period of storage intervenes between picking and marketing. A considerable shrinkage in the fruit results from refrigeration. Some of the tissue wraps apparently increase loss of moisture from apples. Storing of strawberries for sale on fresh fruit markets has not proven entirely successful. The period they will hold up at high marketing temperatures after storage decreases with the length of the storage period. If the berries are sound, dry and undamaged when picked and stored immediately, they can be held to tide over a glutted fresh fruit market for three or four days.

The processing of honey as worked out by the Department of Apiculture has resulted in the placing on the market of a high-class product which has found ready sale. The process results in the uniform crystallization of the honey and the elimination of fermentation. Several plants in Ontario have been established and a large amount of honey is now being treated. The Ontario Marketing Board is co-operating with Ontario beekeepers and is taking active steps to market the Ontario product in Great Britain.

The improvement of milk and cheese has been undertaken by the Department of Bacteriology in co-operation with the Provincial Dairy Branch at Toronto. A representative of the College Department has spent a large share of his time in visiting farms and factories to determine the cause of undesirable flavours in milk and cheese. Sanitation is found to be a most important factor. Methods have been worked out for the sterilization of utensils used on the farm and in the factory. Many cheese factories are now pasteurizing their whey. Much has been done to aid in this programme of improvement.

Leaf lettuce in the diet has been investigated by the Department of Home Economics. Attention has been given to the nutritive value of lettuce, the storing qualities and the variety of ways in which lettuce can be served and used. This work is carried on in co-operation with the project on marketing Ontario farm products.

The dietetic value of honey as compared with other sources of sweetening has been investigated. Many interesting and helpful recipes have been worked out for the use of honey as a sweetener.

Anaemia in suckling pigs is taking a heavy toll on the farms of the Province. Investigations carried on through the Department of Animal Husbandry show that the most effective treatment is to provide each nursing sow with one square foot of sod, the earthy side of which has been sprinkled with one teaspoon of iron sulphate dissolved in one quart of water. The sods are renewed twice a week.

Wheat as a partial substitute for concentrates in dairy rations has been investigated. The wheat was rolled and fed in the ration in place of bran. The cows received concentrates at the rate of one pound to each three and a half pounds of milk produced together with mixed hay, silage and roots. The cost of feeding per 100 lbs. milk testing 4.72 per cent. was placed at 22.4c per lb. of butter-fat.

A study of soluble phosphorus and potassium in Ontario soils was undertaken by the Department of Chemistry in 1931. Investigations reveal that some soils have a very low amount of soluble phosphorus in the surface layer and subsequent layers for a distance of three feet. Other soils have a low content of readily soluble phosphorus in surface layers but reserves in lower layers. The addition of phosphate fertilizers increase the accumulation of phosphorus. Active studies on soluble potassium are now under way.

Fertilizer investigations on orchards in Norfolk County were started in 1930. A marked accumulation of readily soluble phosphates has been found in the surface three inches of the treated plots and a lesser accumulation in the second three inches. The study indicates that large quantities of the phosphates supplied have not penetrated to a greater depth than six inches.

Soybeans for Ontario is a subject of study undertaken by the Department of Field Husbandry. The demand for high protein supplement in livestock feeding would indicate that there is a place for soybean oil meal. The soybean crop matures and produces a fair yield throughout Southwestern Ontario. In a large area of the Province, the crop produces large quantities of hay of excellent quality. Soybean processing plants have been established at several points in the Province. These are creating a demand for the crop and in turn are resulting in many calls upon the institution for information and help.

Free choice feeding of poultry has been the subject of extensive investigations by the Department of Poultry Husbandry. More than 1,000 chickens were offered a free choice diet of some thirty feeds. The results indicate that chicks prefer crushed grain to finely ground grain.

In a study of the role of cereals in poultry nutrition, it is indicated that malformation, such as crooked bones and slipped tendons, resulted from corn rations. Much can be done to prevent this trouble by the inclusion from 10 per cent. to 15 per cent. of oat feed containing the germ and hulls.

Tip burn of lettuce has caused a heavy loss to the vegetable growers of the Province. Investigations have been undertaken by the Departments of Horticulture, Botany and Chemistry to determine some control for this disease. Different lots of soil have been brought from the London area and have been placed in the greenhouses. During the summer of 1932, New York head lettuce was grown in the gardens and plots treated with different amounts and combinations of nitrogen, phosphorus and potash, together with farm-yard manure. In the greenhouses, Grand Rapids leaf lettuce has been used on the plots. Special attention has been given to the effect of various forms and amounts of nitrogen applied to the lettuce crop. This work has been enlarged and will be carried on during the coming year.

Tomatoes for the canning factory have been the subject of special investigations in Prince Edward, Northumberland, Durham, Hastings, Lennox and Addington Counties. Variety, soil management and disease control have received attention. Results indicate that a higher per cent. of potash than is commonly used gives larger results in most types of soil. Increasing the amount of nitrogen tends to retard maturity, while increasing amounts of phosphoric acid and potash tend to hasten maturity without decreasing yields.

Disease may be reduced by spraying and dusting plants in cold frames. A 3-6-40 Bordeaux mixture was used for spraying and a 19 per cent. copper lime dust for dusting. The control of leather-end of tomatoes is under investigation. This appears to be closely related to the metabolism of the plant. No definite conclusions have as yet been reached but observations are that by using soils of good fertility and by the judicious use of good fertilizers, a definite decrease in leather-end can be accomplished.

Ontario pastures are being investigated through the co-operation of the Departments of Field Husbandry, Animal Husbandry, Chemistry and Farm Economics. Special attention is being given to pasture flora, consisting of Kentucky Blue Grass, Canadian Blue, Red Top, Timothy, Twitch Grass, White Clover and Yellow Trefoil. A survey of Ontario pastures show that four weeds: Wild Carrot, Canada Thistle, Ox-eye Daisy and Blue Devil are a particular menace. In many sections of the Province, pasture lands have been allowed to deteriorate until they are yielding little returns. Extensive experiments have been laid out on land under the control of the College to determine the effect and value of fertilizers and to secure data on the value of various pasture mixtures. These findings should be of great interest to the livestock producers of the Province.

Problems of the dairy farmer and manufacturer have been investigated by the Department of Dairy Husbandry. Inferior quality of cream has been investigated through a special study of 175 farms. The larger share of this trouble can be eliminated through the proper cooling of the cream. Practical methods have been worked out and recommended.

In ice cream manufacture troubles from a large bacterial count in colouring material used has been found through investigations of plants in many cities. Investigations have shown how this trouble can be largely avoided through the special preparation and use of colouring material. The Department is now working with the ice cream manufacturers and every assistance is being given to correct this trouble.

Control methods for onion maggot, gladiolus thrips, turnip maggots and insects in storage grain have been undertaken by the Department of Entomology. The work has reached the stage where recommendations are now being made. Farmers and elevator men are receiving helpful assistance.

Fire prevention is receiving attention from the Department of Agricultural Engineering in co-operation with the Mutual Fire Underwriters' Association of Ontario on fires caused by threshing machines. A special water sprinkling system has been developed and is now being extensively used. The grounding of threshing separators was found to be quite inadequate in fire prevention.

Methods of weed and plant disease control are being investigated by the Department of Botany. Chemicals have been found to destroy field bindweed, sow thistle, twitch grass, blueweed, burdock, chicory, poison ivy, ox-eye daisy and wild carrot. The cost of chemicals and the method of application of large areas are still unsolved in any satisfactory way. It is the belief of the investigators that they now have information which will aid them in developing a satisfactory solution to this most serious problem.

CONFERENCES AND VISITORS

A welcome feature of the year under review is the number of conferences and meetings held at, and the number of party and individual visitors to the College. This feature serves usefully in giving practical application to and making more widely known the work accomplished.

ONTARIO VETERINARY COLLEGE

STUDENT ENROLMENT

The student enrolment is still showing a satisfactory improvement, there being an increase of 21 in the attendance this year as compared with last year. A total of 113 students were in attendance last year while the registration for the present session comprises 134 students. Twenty-two candidates received the degree of Bachelor of Veterinary Science (B.V.Sc.) at the Convocation of the University of Toronto held on May 4th, 1932. Students are again in attendance from each of the Provinces of Canada, from Great Britain and other parts of the British Empire, as well as from many parts of the United States. An analysis of the enrolment this session reveals the interesting fact that a large percentage of our students are the sons of former graduates, which is a manifestation of their esteem and loyalty to the College. As in former years the bulk of our students are residents of Ontario.

COURSES OF STUDY AND INSTRUCTION

The curriculum is still being progressively developed so as to provide a sound training in the essentials of the various sciences. Adjustments have been made in such subjects as appear to be of increasing importance. Towards this end additional time is being allotted to parasitology, dairy hygiene and poultry husbandry along specialized lines. It is pleasing to report that each member of the teaching staff is making a sincere effort to improve the subjects of instruction and to assist worthy students in advancing their knowledge of medical science. Greater attention is being given to the fundamental sciences and to correlate the lectures with clinical and laboratory instruction to the fullest possible extent. It is also worthy of note that the standards of admission and qualification for graduation are being consistently advanced so that the academic status of the graduate is now more closely in keeping with the other learned professions.

Specialized short courses have been provided for general practitioners and other selected groups.

During the month of June an educational conference was arranged for those interested in fox farming. The conference was arranged and held under the auspices of the Ontario Silver Fox Breeders' Association.

A short course for veterinary practitioners was held during the month of July in co-operation with the Ontario Veterinary Association. The topics of instruction were presented in a series of special lectures combined with laboratory and clinical demonstrations.

RESEARCH AND INVESTIGATIONAL WORK

During the past year it was considered best to continue and complete as far as possible some of the work commenced in previous years. In planning the work it was again so arranged as to avoid any needless repetition of experiments conducted elsewhere and to prevent duplications of similar work unless where necessary to establish facts. The problems selected were those which seemed of most importance and of a general character.

Mineral Deficiency Diseases. The increasing prevalence of definite nutritional diseases of animals in certain localities seemed to be of great concern. The special survey and investigation arranged last year in co-operation with the President of the Ontario Agricultural College was continued to determine the incidence and distribution of osteomalacia in cattle. The committee in charge of the survey again covered the worst affected districts in Eastern Ontario to determine the progress made on the affected farms to overcome the existing mineral deficiencies. Considerable improvement was noticeable in the general appearance and thriftiness of the cattle on affected farms through improvement of pastures and forage crops and the direct replenishment of the deficient mineral elements by the addition of bone meal and other supplements to the feed. Those concerned were appreciative of the advice and help received through the Department, which had aided them greatly. The investigation was further extended into some of the counties in Western Ontario where similar deficiency handicaps were reported. The same steps were taken as before to inform owners of affected herds as to the exact nature and cause of the disease, together with definite recommendations for its prevention and treatment. To make the work more complete and convincing exhaustive chemical analyses were made by H. L. Fulmer of the Chemistry Department of samples of the soil, the hay and grain from affected farms and compared with those from non-affected farms. The results of these analyses have been carefully tabulated and represent a vast amount of painstaking work and have enhanced the scientific and practical value of the investigation. A detailed report of this investigation has been prepared by the committee.

Hypertrophic Cirrhosis of the Liver in Horses. Further progress has been made in relation to the occurrence of this disease among horses in certain areas of the Province. It has from time to time given considerable concern to farmers in widely separated districts where alsike clover is a staple crop and used extensively as summer pasture and as hay for the winter feeding of horses. The worst affected areas were found to be near Brigden, Lambton County, in Western Ontario, and around New Liskeard in Northern Ontario. After careful consideration it was decided to undertake definite feeding experiments at these points to determine if the incrimination of alsike clover in the feeding of horses was justifiable as to the cause of the disease. It was arranged to rent a typical plot of land near Brigden, and to have it seeded with pure alsike to be used as a pasture for a number of experimental horses with suitable controls. Additional horses were kept stabled and fed alsike hay as a further check.

A somewhat similar experiment was duplicated in the alsike feeding of horses conducted at the Government Experimental Farm at New Liskeard. The experimental and control horses at both places were kept under regular observation to determine the clinical manifestations of the disease. Regular blood examinations were made to determine the cellular count and bile content of the blood of each horse. The examinations to determine the bile content of the blood were carefully made and checked over with the helpful co-operation of the laboratory staff of the Banting Research Institute at Toronto. Ultimately the disease was faithfully produced by the feeding of alsike clover both as pasture and as hay and the results can now be regarded as conclusive evidence as to the exact nature and cause of the disease. A detailed report of the investigations and researches relating to this disease has been prepared by F. W. Schofield who had charge of the work.

Throughout the year the various members of the staff have co-operated to the fullest possible extent with practicing veterinarians and owners throughout the Province in making definite researches and investigations of individual problems. Among these are Johne's Disease of Cattle, Hemorrhagic Septicemia, Red Water of Cattle, Periodic Ophthalmia of Horses, Poultry Diseases, Parasitic Diseases of Sheep and Swine. Much of this work has been undertaken as a matter of routine at the present time and will be further developed as time and opportunity permits.

PUBLIC EXTENSION SERVICE

This service has been largely developed by requests for direct clinical and laboratory assistance in the diagnosis and operative treatment of disease in all classes of animals. It has been promoted along such lines of usefulness as seemed to be most effective and desirable to those requiring specialized services and to furnish clinical and laboratory material for teaching and demonstration purposes in class work. This is arranged by means of regular public clinics which are held four times each week during the College session to which animals of all kinds can be brought for examination and operative treatment. The value of these clinics is clearly manifested in the large number of animals brought weekly for attention. During the College session 785 animals were selected for special operative treatment.

The laboratory staff has also provided an exceedingly valuable service throughout the year by making special laboratory tests and microscopic examinations as follows: 2,737 disease specimens were received for microscopic and bacteriological examination, 9,164 poultry blood samples were submitted to the agglutination test for pullorum infection, and in addition sufficient of the pullorum antigen or test fluid was prepared and supplied to veterinarians to take care of over 45,000 additional poultry blood tests. Autopsies were made of 2,152 poultry carcases belonging to individual owners and reports furnished as to the nature of the disease with instructions as to handling and treatment of the affected flocks. Blood samples from 7,842 cattle were submitted to the agglutination test for *B. abortus* infection (contagious abortion). Included in this number were 1,075 pure-bred dairy cows being sold for export to the United States. In addition, 2,575 doses of *B. abortus* antigen were supplied to registered veterinarians for the abortion test and 2,242 doses of killed culture abortion vaccine were prepared and supplied on request of owners and veterinarians desiring this treatment for the disease.

The increasing demand for these laboratory services creates a vast amount of specialized routine work of an exacting skillful nature, an immense volume of correspondence and personal interviews for advice, together with detailed test charts and laboratory reports covering the work undertaken. In submitting this brief report it is gratifying to state that the College is maintaining a high standard of efficiency and rendering a valuable service to the Province at a very low cost and with strict economy throughout.

KEMPTVILLE AGRICULTURAL SCHOOL

In spite of unfavourable conditions on Eastern Ontario Farms during the past year, the attendance and interest in the institution has considerably increased.

The aggendance in the regular classes was as follows:

Agriculture, Senior Year	37
Agriculture, Junior Year	51
Domestic Science, Senior Year	6
Domestic Science, Junior Year	8
Agriculture, Short Course	25
Domestic Science, Short Course	5
Domestic Science, 2 weeks, Short Course	6
Teachers' Summer Course	77

During the year the School entertained groups from twenty-four organizations, the groups ranging from eight to 1,500 and making a total attendance of 3,096.

Considerable painting was done to the exterior of several School buildings. Necessary repairs have been made to the heating and sewage systems.

The School flocks and herds have made improvement in quality during the past year. Owing to a decrease in the appropriation voted for the institution all hogs were sold except herd sires and six young sows carrying their first litters. These sows have, however, given us their second litters so that there will be an abundance of material for classroom purposes during the 1932-33 school year. The quality of our hogs is now superior to any previous year.

Due to considerable culling in the past year our dairy herds of Holsteins and Ayrshires have given a high average production. One Holstein cow, in R.O.P., gave 20,128 pounds of milk, yielding 1,028 pounds of butter, her milk testing 4.09 per cent. Her bull calf was placed in a good herd and is developing into an animal of superior type. Her last calf, also a bull, promises to be a show bull of considerable merit. During the year the school purchased a yearling Holstein bull, a grandson of Johanna Rayapple Pabst. This young bull has been placed second and third in strong classes at the two most recent Royal Shows and also second last fall at the C.N.E., Toronto. An aged Ayrshire bull of AA rating was also purchased during the past season. He is also a bull of good type and has proven to be a good sire. A yearling Shropshire sow was secured during the past fall as was a young Yorkshire boar to replace the old boar that proved so valuable in our school herd as well as in the district.

The interest, in Eastern Ontario, is increasing in the breeding of hunter and saddle horses. The thoroughbred stallion, Ranger, is proving an excellent sire.

FIELD HUSBANDRY DEPARTMENT

As usual during the fall and winter terms lectures and practical instruction were given to the regular students on this subject. In connection with the Kemptville Agricultural Royal Show a new venture was inaugurated in that all junior year men were compelled to take part in a seed judging competition. This proved a very satisfactory and educational addition to the show. Members of the winter short course and the teachers attending the agricultural summer course also received similar lectures and practical work. These courses were supplemented by special lectures by gentlemen on certain subjects with which they were especially familiar.

Special lectures and practical seed-cleaning demonstrations were also given to a body of men assembled, for the first time, to discuss seed-cleaning plant operators' problems. This conference was held at the Kemptville Agricultural School in December and it proved to be worthwhile. So much so that the operators present indicated that they would like it to become an annual affair. They felt that by the open, frank discussions they would improve themselves to the extent that they would develop a uniformity of thought and, at the same time, be able to improve certain phases of their business so that the operators as well as the growers who use these plants would benefit. As well as the foregoing activities considerable extension work was attended to in connection with the Department. Increasing demands are also being made by farmers for information regarding methods for the increasing of farm crops.

Regarding the school farm crops, they were, with a few exceptions, better than the year previous. This was especially true of the cereal and root crops which were favoured by the regular supply of moisture. Due to the unfavourable fall of 1931 and the winter of 1932, the new seeding of clover did not winter well. This seemed to be a general complaint in Eastern Ontario. New seedings, however, this past fall looked exceptionally well established and unless something unforeseen happens this winter and next spring, there should be a healthy, yieldy crop. Alfalfa yielded an exceptionally heavy crop this past season. Three cuttings were taken from most of the school acreage. This was possible this year due to the abnormal growth after the second cutting was made. In many cases the third cutting outyielded the second one. In all nineteen acres of alfalfa harvested gave the exceptional production of 76.43 tons or an average of 4.02 tons to the acre. The total alfalfa, mixed hay and timothy acreage harvested amounted to 46 acres, yielding 147.45 tons, making an average per acre of 3.20 tons.

The mangold crop was the best ever harvested on the institution's farm. In all, 252,422 tons were obtained from 8.46 acres, making an average of 29.83 tons to the acre. The variety sown was the Giant White half sugar. They were stored in excellent condition. A new method was tried this past year of growing a second crop on the same root land as the year previous. This plan has a number of recommendable features about it. What has been said about the mangold crop is also true regarding the turnip crop—it being the best ever produced at the school. In all, 53.57 tons were harvested from 2.02 acres. The average yield per acre was 26.51 tons. They were grown on an alfalfa sod that was broken and summer cultivated the season previous.

One variety of potatoes was grown—this being the Dooley. They yielded an average of 194.09 bushels per acre from a total of 2.32 acres. While the yield was only average, the potatoes were very clean, large and of excellent quality. They were field inspected for certification and passed both their tests.

As formerly a thorough after-harvest cultivation was conducted. This is a highly recommended practice for the control of weeds, retention of moisture and the improvement of the soil generally. As usual the areas subjected to this cultivation were ribbed up before the frost set in. It is to be noted that farmers in the institution's vicinity are increasing in numbers in following such a programme.

For educational purposes variety test plots were sown. These proved to be interesting to visitors as well as to teachers taking the summer courses. A few uncommon crops such as hemp and kale were also tried out.

The institution's seed-cleaning plant has proved itself to be an excellent asset to the farming community. Two hundred and forty individual farmers made use of the plant in 1931-1932 season. This is an increase of seventeen over the previous season. The number of farmers having small seeds of all kinds is increasing. Some very fair samples of alfalfa seed were added to the list which now includes timothy, red clover and sweet clover seed. Previous to this our sales have been fairly heavy. Many farmers looked to the institution for No. 1 seed.

DEPARTMENT OF HORTICULTURE

During the past year the work of the Horticultural Department in connection with the school has consisted of giving lectures and practical laboratory instruction in Pomology, Floriculture and Vegetable Gardening, as well as similar work in the subjects of Entomology and Botany. The practical horticultural work has been materially facilitated by the use of the small greenhouse which was added to our equipment eighteen months ago. Throughout the year assistance was given, at various times, to several of the Agricultural Representatives during their short courses, and special addresses dealing with horticultural subjects were given to horticultural societies and other organizations requesting this assistance.

During the spring and summer a number of rural schools were visited by the request of the inspector with the object in view of improving the school surroundings by the suitable planting of trees, shrubbery and perennial flowers. This line of work seems to have been appreciated at a number of places, and plans and suggestions for planting were made where requested. It has been arranged for special surplus material, as may become available from perennial stock in the flower beds at the school to be sent to such schools and to be redistributed from there to others in the vicinity requiring material.

In conclusion the school desires to again express thanks for contributions of plants that have been made to it from time to time by the Department of Horticulture at Guelph, the Horticultural Experiment Station at Vineland, the Division of Horticulture at the Central Experimental Farm at Ottawa and by private individuals.

POULTRY DEPARTMENT

Owing to the reduced appropriation it was found necessary to cut the Poultry Department to approximately one-third of its former size. This made it impossible to supply either hatching eggs or breeding stock to farmers.

In the Michigan Laying Contest our pen stood second for their breed, having produced 2,278 eggs for 2,365.05 points. One hen made a record of 303 eggs for a total of 320.25 points. At the same time some very good records were completed on the home plant. Two hens went over the 300 mark, one making 319 eggs and the other 305 in 365 days. The average for the Barred Rock pullets completing their year on the plant was 257.6 eggs per bird.

Extension work was carried on in the eastern counties, a number of demonstrations in culling, killing and caponizing being held in different parts of the country. A total of over 8,000 birds were culled with approximately one-third of the birds being shipped to market.

Selling poultry through poultry pools has met with increased success this year and is tending toward slightly increased prices to the farmers through this method of marketing.

DEPARTMENT OF CHEMISTRY

The regular lecture and laboratory work of the Agriculture, Domestic Science and Summer Courses was carried on. Duplication of all classes in the laboratory was necessary owing to the large classes with limited laboratory space.

Much interest is developing along fertilizer, lime and soil problems. Many inquiries and investigations were carried on. Following up the work carried on with fertilizers during the summer of 1931, a special Fertilizer Day was held during our Annual Two Weeks' Short Course. Much information was gained and interest shown at that meeting which was well attended. Conducting a series of experiments for the second year with our junior students with the co-operation of the N. V. Potash, Mo., many interesting results were obtained from the eleven plots fertilized.

APICULTURE DEPARTMENT

Bees wintered exceptionally well, building up rapidly in the spring. Very poor results were obtained in the matter of honey. Clovers in this district were heavily winter-killed, resulting in a very light clover flow. The quality of comb and extracted honey was very poor, with the total yield somewhat lower than previous years and yielding a lower price.

FARM MECHANICS AND DRAINAGE DEPARTMENTS

The work carried on by the Farm Mechanics and Drainage Department consisted of lectures and practical work on the above subjects to the regular and short-course students at the school, also short courses carried on by the Agricultural Representatives during the winter months and to the summer-school students.

A start was made in making concrete seats for the campus and these will be added to from time to time, this being part of the practical work carried on by the students.

Owing to the endeavour to cut down expenditure, the drainage staff was cut down in this district to one man. This necessitated considerably more travelling to cover the district, but the applications were all attended to at the close of the year. During the year forty-three advisory visits were made. This shows that the farmers are making greater use of our Department in an advisory way than ever before. These visits help to clear up a great deal of misunderstanding that exists in some localities.

Several encouraging letters have been received from farmers who have availed themselves of our services.

HOME ECONOMICS DEPARTMENT

The first class in the Two-Year Household Science Course graduated last year and are now continuing their practical training as student dietitians in hospitals. The attendance in this course has increased slightly. During the year two short courses were held, one from January 4th to March 26th, and another from April 4th to 15th, which were fairly well attended.

The work consisted of lectures and practical instruction in Cookery, Dietetics, Sewing, Millinery, Textiles, Home Nursing, Physiology, Economics of the Household, Household Management and Institutional Management, also field trips to the Ottawa Dairy, The Chateau Cheese Company, The Chateau Laurier kitchens, and the Iroquois Linen Mills.

Assistance was given to the Agricultural Representative at School Fairs and Judging Competitions, and also to the Institutes Branch at the Eastern Ontario Girls' Conference held at the school.

STATISTICS AND PUBLICATIONS BRANCH

The demand for farm publications which are distributed by this Department has shown a considerable increase over the previous year. Requests from rural districts for bulletins have ranged from 200 to as many as 600 per week. During the year a number of very useful pamphlets have been added to our series. Farmers desiring literature on farming may secure a list of our free bulletins by addressing their enquiry to this Branch.

The statistical work of the Department was further extended to include the collection and publication of reports on the prospects of fruit crops during the growing season and the compilation of monthly farm prices of agricultural produce by means of schedules sent to our regular crop correspondents. Acreages of field crops and numbers of livestock were collected by means of a census of farms conducted with the aid of the rural schools in June and December.

The Annual Reports of the various Departments printed for distribution during the year were as follows:

	No. of Copies
The Report of the Minister of Agriculture	1,500
The Ontario Agricultural College	2,000
The Experimental Union	2,500
Agricultural Societies	7,500
Horticultural Societies	10,000
Vegetable Growers' Association	2,500
Ontario Veterinary College	1,500
Agricultural Development Board	5,000
Stallion Enrolment Board	2,500
Agricultural Statistics	6,000
Entomological Society	1,500
Beekeepers' Report	2,000
	44,500

Field Crop Bulletins giving statistics on field crops were published in the months of May, June, July, August, September, and November.

During the year the following agricultural bulletins were printed for distribution:

Serial Number	Title	No. of Copies printed
368	Farm Poultry	25,000
367	Pork on the Farm	25,000
366	Soybeans in Ontario	5,000
365	Draft Horses	10,000
338	Hints on Judging	30,000
327	Knots and Splices	10,000
274	Sheep for Ontario	10,000
252	Preservation of Food	25,000
		140,000

AGRICULTURAL AND HORTICULTURAL SOCIETIES BRANCH

AGRICULTURAL SOCIETIES

Although the year just past was the hardest yet experienced in the history of these organizations, the men and women who compose the Board of Directors of Agricultural Societies and who are doing so much to further the interests of agriculture in their communities did not falter, and from the reports received it would seem that the fairs and exhibitions held in 1932 were never surpassed in so far as quality and numbers of entries were concerned. Many of the fairs suffered financially and could only pay a percentage of the prize money offered, but others were able to meet their obligations in full, having cut down their other expenditures to a minimum. The directors of the societies were encouraged greatly through financial and other assistance rendered by interested and public-spirited citizens in the localities surrounding their headquarters.

Assistance was given fifty-nine fairs in the way of wet-weather grants by the Department. Our appropriation was reduced from $10,000 to $5,000 in 1932 for this purpose and societies suffering through inclement weather did not benefit to the extent of 90 per cent., as 21 per cent. only could be allowed them.

There were 302 fairs held under the auspices of Agricultural Societies in 1932, 245 of them employing departmental judges, whose services on the whole proved very satisfactory.

Grants were paid through this Branch to the following fairs: 7 Spring Stock Fairs, 2 Spring Seed Fairs, 13 Fairs held by Indians, 59 Fairs held in unorganized districts, 244 Fairs held in organized counties, the Canadian National Exhibition, the Central Canada Exhibition and the Western Fair. Grants were also paid to ten societies owning and maintaining purebred stock.

FIELD CROP COMPETITIONS

Owing to the appropriations for these competitions being suspended by both the Dominion and Provincial Governments, there were none held in 1932. Former prize winners were, however, given the opportunity of exhibiting their sheaves and grain at the Canadian National Exhibition and at the Guelph Winter Fair.

HORTICULTURAL SOCIETIES

The work of "Beautifying Ontario" was carried on extensively through the medium of the 296 Horticultural Societies in the Province of Ontario during the past year, and the policy of encouraging the improvement of rural and farm-home surroundings continued, many of the unemployed putting their time to good use by working long hours in the garden.

Flower shows held at different periods of the year were a big feature of the season's activities, and garden and lawn competitions were conducted as in past years. Many societies have adopted the rule of giving ribbons to successful

Crops from Well-Tilled Farms

contestants, and when funds are low this method does away with large expenditures and the interest of the members is maintained especially when the exhibit is staged for the good of the cause and not for financial gain only.

Our Lecturer, John F. Clark, addressed 239 meetings during the year and on many occasions while visiting societies spent the day-light hours assisting the citizens to plant and layout parks and grounds surrounding civic and governmental institutions.

The Ontario Horticultural Association during 1932 established awards of merit in the form of diplomas and medals to be given in recognition of outstanding contributions to horticulture within the Province of Ontario. The honour of receiving the first award was conferred upon H. H. Groff, Simcoe, Ontario, for his valuable work, especially in connection with hybridizing.

The high standard of the floral exhibits at the Canadian National Exhibition and the Royal Winter Fair was maintained, and the amateur and professional growers displayed flowers and plants which were a credit to our Province and a delight to the eye of visitors who attended these great fairs.

ONTARIO VEGETABLE GROWERS' ASSOCIATION

In spite of unprecedented conditions in Ontario, the vegetable growers carried on as usual and produced splendid crops with which to feed our population. They had the usual crop diseases and insect pests to combat, but their products showed that by hard work and good cultural methods much of this evil could be conquered.

Owing to lack of funds with which to pay prize money, the Field Crop and Garden Competitions could not be conducted, but through the generosity of the Directors of the Canadian National Exhibition we were enabled to again have Branch Exhibits at the Toronto fair. The competition was, as usual, keen, and the following Branches were awarded the prize money: Toronto, $90; London, $80; Brantford, $70; Kingston, $60; St. Catharines, $50; Scarborough, $40; Peterborough, $30.

The display of Ontario-grown products at the Royal Winter Fair was equal to any of past years. Mushroom cultivation has increased enormously in this Province in the last few years as shown by the numerous entries in this class at the Royal. The trophy donated by this Association for the grower securing the highest number of points in the vegetable section was again awarded to Brown Brothers, Humber Bay.

Our Fieldman, George Rush, visited the members of the Branches of the Association during the year, delivering lectures and giving encouragement to the growers in every way possible. He also attended a number of short courses conducted by the Ontario Department of Agriculture in various parts of the Province and gave instruction in selecting seed, types, varieties, planting, etc., to the young men who took advantage of this educational work. Some of the most interesting courses were those conducted in Thunder Bay, Rainy River, Kenora and Algoma Districts where a large percentage of those attending were settlers from various parts of Europe who were anxious to adopt cultural and other methods used in this country and who quickly adapt themselves to Canadian ideals.

From Furrows Straight and True

ONTARIO PLOWMEN'S ASSOCIATION

This Association is continuing to carry on its educational work. Sixty-nine branches are now organized in thirty-seven counties and four districts throughout Ontario.

Demonstrations were conducted by experts furnished by the Department in the following counties: Carleton, Dundas, Glengarry, Grenville, Haldimand, Halton, Hastings, Prescott, Renfrew, Russell, Stormont, and in the District of Algoma. At these demonstrations the boys are shown how to set up their plows, make crowns and finishes, and given other necessary instructions. The experts give addresses on good plowmanship and answer questions the class care to ask.

Home Plowing Competitions were held as follows: In Elgin, Frontenac, Grey, Glengarry, Haldimand, Hastings, Leeds, Middlesex, Northumberland, Ontario, Peel, Perth, Peterborough, Renfrew, Victoria, Waterloo and York Counties, and in Sudbury and Temiskaming Districts.

Sixty-four trained judges were furnished by the Department for the Branches' matches as well as for the International Plowing Match. There were sixty-seven matches held in the Province in 1932.

The Central Experimental Farm, Ottawa, was the scene of the 1932 International Plowing Match and Farm Machinery Demonstration. As well as a large number of manufacturers present to demonstrate the working of their numerous machines, educational exhibits through the courtesy of the Ontario Hydro-Electric Power Commission; the Ontario Agricultural College, Guelph; the Ontario Provincial Board of Health; the St. John's Ambulance Corps, and the Dominion Department of Agriculture were an attraction. The attendance was good in spite of two days' inclement weather. Amongst the many interested spectators were His Excellency the Earl of Bessborough, Governor-General of Canada, and Rt. Honourable R. B. Bennett, Prime Minister, both of whom spent some time on the grounds looking over the work of the competitors, demonstrations of machines, horses, etc., and having the finer points of plowing explained to them by the directors who conducted them over the fields. Three hundred and eighty-one plowmen entered the various classes during the four days, and competition was very keen, the judges having to go over the lands more than once in order to make their awards. York County team were successful in carrying off the Ontario Farmers' Trophy in the Inter-County Competition, having won it three times.

Financial and moral support was given by both Federal and Provincial Ministers of Agriculture who attended the demonstration and spoke at the banquet and manifested great interest in all that transpired.

ONTARIO FIELD CROP AND SEED GROWERS' ASSOCIATION

Owing to lack of financial assistance, this Association has been operating under trying conditions, especially during the past year when prices for grain and seed were at the lowest ebb, making it difficult to secure members, and so the officers were not able to carry out any proposed educational policies. Largely through the efforts of the officers of this Association, special prizes for malting barley were donated by a commercial firm at several fairs and exhibitions, and also seven combined field crop competitions were conducted in Ontario in barley, the prizes having been donated by the same firm. Representatives from this Association to the larger fairs throughout the Province saw to it that prizes for field crops and seeds remained in the prize lists for 1932. This Association is doing its part to further the interest of the World's Grain Conference to be held in Regina in the summer of 1933.

LIVE STOCK BRANCH

SHEEP EXTENSION WORK

The Sheep Club policy of the Ontario Live Stock Branch inaugurated in 1928, under which fifty-seven sheep clubs were formed throughout the Province with a total membership of over 700, has been discontinued and supplanted by a joint Federal-Provincial Boys' and Girls' Sheep Club policy.

During the year supervision has been given to the original sheep clubs and this will necessarily have to continue until all agreements expire, the last of which will terminate in 1935.

Under the new Federal-Provincial Policy two clubs were formed: the Rockwood Boys' and Girls' Sheep Club in Wellington County, and the Innisfil Boys' and Girls' Sheep Club centred around Stroud in Simcoe County.

MARKET LAMB FAIRS

These Lamb Fairs are conducted jointly by the Federal and Provincial Live Stock Branches both in regard to help necessary in the field and the furnishing of prize money. These fairs in 1932 have probably been the most successful of any yet held. The following is a list of fairs held:

Fair	Prize Money by Ontario	No. of Lambs Marketed
Kenora District	$80.00	122
Cobden	75.00	602
Westport	75.00	644
Middleville	50.00	294
Lanark	50.00	168
Brudenell	50.00	262
Maynooth	50.00	171
North Augusta	50.00	269
Manitowaning	50.00	601
Emo	75.00	296
Markdale	71.00	92
St. Joseph's Island	75.00	494
Gore Bay	25.00	55
Little Current	50.00	442
	$826.00	4,512

Ram Grading

The policy of ram grading in the Province of Ontario is another joint policy between the Federal and Provincial Live Stock Branches. In the fall of 1931 a new policy of assistance for the placing of graded rams throughout the Province was adopted, the particulars of which are given in the 1931 report of this Branch.

Under this policy during 1932 applications for bonus were received on 462 rams. The amount of money paid on these individual applications by the Ontario

Live Stock Branch was $2,255.50. In addition to these individual applications the following ram clubs were formed:

Name of Club	Rams	Breed
Manitoulin Island	37	Oxford, Hampshire, Southdown, Shropshire
Godfred	9	Oxford
Hybla	10	Oxford
Lonsdale	10	Oxford
North Augusta	18	Oxford
Stirling	11	Shropshire
Yarker	14	Shropshire

On 109 rams placed in these clubs the Ontario share of assistance was $545.00.

Furthermore as an inducement to the breeders of highest quality rams a bonus of $5.00 per head was given to the breeders of XXX rams when such rams were sold for use to Ontario farmers. Under this item the Ontario Live Stock Branch expended $1,230.00. This made a total of $4,030.50 contributed by the Ontario Live Stock Branch toward the policy of ram grading and the assisting of farmers in securing graded rams.

During the year 1932 this ram-grading policy has been continued with slight modifications, the amount of assistance being offered is as follows:

On the Purchase of	Bonus payable by Ontario Department to Purchaser	Bonus payable by Dominion Department to Purchaser
XX Lamb	$2.00	$2.00
XX Yearling	3.00	3.00
XXX Lamb	4.00	4.00
XXX Yearling	5.00	5.00

Under this policy 2,170 rams have been graded for 329 breeders.

Dog Tax and Sheep Protection Act

During the year November 1st, 1931, to October 31st, 1932, four appeals have been received under The Sheep and Dog Act. The following counties have been represented: Middlesex, Victoria, Welland and York.

CATTLE IMPROVEMENT WORK

Under the Bull Bonus Policy work has been carried on through the various County Live Stock Improvement Associations in assisting farmers in the purchase of their first pure-bred bull. Under this policy such farmers are assisted to the extent of 20 per cent. of the cost of approved bulls. We are pleased to note that there has been an increase of from 295 bulls to 430 bulls placed under this policy during the past fiscal year as compared with the year previous. The following table summarizes the assistance given:

County	Number of Applications for Bonus	Amount of Bonus
Brant	8	$ 75.50
Bruce	36	616.50
Carleton	11	117.80
Dufferin	16	211.90
Greater Dundas	14	238.00
Durham	13	201.70
Elgin	2	19.00
Essex	6	110.50
Frontenac	5	43.40
Grey	14	250.60
Hastings	3	50.00
Huron	38	671.10
Kent	20	368.30
Lambton	26	414.75
Leeds	5	45.00
Lennox & Addington	9	102.50
Middlesex	29	430.30
Ontario	19	303.20
Oxford	5	133.00
Peel	15	258.40
Perth	12	209.60
Peterboro	29	297.80
Prince Edward	10	144.00
Renfrew	16	191.86
Simcoe	28	449.70
Victoria	20	328.70
Wellington	19	318.20
York	2	35.00
	430	$6,636.31

In Northern Ontario assistance is granted to farmers purchasing an approved pure-bred bull to the extent of 30 per cent. of the cost together with the freight charges. The following table summarizes this work during the fiscal year ending October 31st, 1932:

Breed	Number of Bulls Purchased	Total Purchase Price	Average Purchase Price	Freight
Aberdeen Angus	5	$425.00	$85.00	$12.98
Ayrshire	14	1,665.00	118.93	67.57
Guernsey	2	106.00	53.00	5.00
Hereford	19	1,585.00	83.42	56.50
Holstein	15	1,243.00	82.87	48.32
Jersey	4	635.00	158.75	73.95
Red Poll	1	100.00	100.00	15.20
Shorthorn	42	3,559.70	84.75	249.03
	102	$9,318.70	$91.36	$528.55

RESTRICTED AREAS

Under the Restricted Area Plan for the eradication and control of tuberculosis in cattle through the Dominion Health of Animals Branch work has continued in Eastern Ontario. Under this plan the Province is required to pay the transportation charges of the veterinarians in the field. During the past fiscal year the cost of this has amounted to $16,126.07. The following table summarizes the results of the work up to the week of January 4th, 1933:

County	Test	Herds	Total Cattle	Total Reactors	Per Cent. Reactors	Infected Premises	Compensation
Glengarry.....	3rd General	1,576	25,579	69	.2%	42	$1,916.00
Stormont.....	2nd General	2,076	34,217	272	.7%	137	9,766.00
Prescott......	2nd General	2,391	40,885	185	.4%	128	6,534.00
Dundas.......	2nd General	1,736	30,292	450	1.4%	183	16,008.00
Russell.......	2nd General	1,993	34,828	520	1.4%	203	15,112.00
Grenville......	Initial	567	8,094	651	8.04%	164	22,715.00
Leeds.........	Initial	1,625	28,659	1,204	4.2%	310	35,400.00
Prince Edward.	3rd General	1,975	22,083	262	1.1%	179	9,374.00
Manitoulin....	6 mos. retest	40	554	......	......	......	......

LIVE STOCK SHOWS

During the past year the exhibits of live stock at our exhibitions both small and large have been excellent, and competition very keen. Assistance has been given by this Department to Ontario exhibitors of dairy cattle, beef cattle and sheep in making exhibits of stock at several of the more important American shows. These exhibits have again upheld the reputation of Ontario as a breeding ground for good stock by their winnings at these fairs. This has been particularly true in regard to the sheep exhibit which has been made annually at Chicago, where Ontario was represented during the past year by exhibits of Cotswolds, Lincolns, Shropshires and Southdowns.

Col. F. H. Deacon, breeder and owner of Grand Champion Bull and Grand Champion Steer, both sons of Edellyn Favorite, Senior Champion Bull. Hon. Robt. W. Weir, Dominion Minister of Agriculture; Col. T. L. Kennedy, Ontario Provincial Minister of Agriculture; Thos. E. Wilson of Wilson Packing Company, Chicago.
Royal Winter Fair, Toronto

ASSISTANCE TO AUCTION SALES OF PURE-BRED LIVE STOCK

During the year ending October 31st, 1932, assistance has been given to fifteen local associations that have held auction sales of pedigreed cattle. A total of 433 head passed through these sales and the total financial assistance given by this Department amounted to $1,668.00. Of this amount $100.00 was given to four associations that held shows of the cattle which were offered for sale and paid prize money on the awards. The following is a summary from the Order-in-Council under which assistance is given to these sales:

> "An allowance of $4.00 per head is made for tested cattle, providing all cattle at the sale have successfully passed the tuberculosis test and that an affidavit is taken by the contributors to the sale that their herds are free from contagious abortion and other infectious and contagious diseases. The maximum grant in such cases is $150.00. In sales where the cattle are not all tested for tuberculosis, but are free from abortion or other infectious diseases, the grant remains at $3.00 per head with a maximum of $100.00 for any one sale."

BACON HOG CLUBS

In order to improve bacon hog breeding from a community standpoint a new Bacon Hog Club Policy on a Federal-Provincial basis was announced at the beginning of 1932. Under this policy boars are loaned to clubs consisting of at least ten members owning twenty-five or more sows of approved bacon type. The cost of the boars and of transportation in connection with the delivering of them is shared equally by the two Departments. The administration of this policy is carried on by the Ontario Live Stock Branch.

Due to the unfavourable price of hogs during the year fewer clubs were formed than was anticipated. However, even under prevailing conditions seventeen clubs were formed in fourteen different counties as follows:

Algoma	1	Middlesex	2
Essex	1	Perth	2
Grey	1	North Simcoe	1
Haldimand	1	Waterloo	1
Huron	2	Welland	1
Lambton	1	Wellington	1
Lennox and Addington	1	York	1

In addition fifty-one boars were purchased for replacement in old clubs, making a total of sixty-eight boars placed during the year.

Boar Bonus Policy

This policy was announced about the first of the year for the purpose of encouraging individuals or clubs to purchase high class breeding boars for their respective communities. Under the terms of this policy any club or individual purchasing an approved boar receives a fifteen-dollar bonus. If the boar is out of a sow qualified in the Advanced Registry the bonus is increased to twenty dollars. In both cases the bonus is shared equally by both Federal and Provincial Departments. The portion borne by the Federal Department is paid upon approval of the boar and the portion borne by the Provincial Department is withheld until such time as the caretaker or owner furnishes a satisfactory statement to the effect that the boar has been used by ten or more farmers in the community.

Quite a large number of boars have been bought under this policy but up to the end of the year no bonuses were paid by the Ontario Department due to the fact that breeding reports had not been received by that time.

Bacon Litter Competition

This competition is held for the purpose of identifying grade brood sows of outstanding quality. Awards are made on the basis of size, uniformity, type and general thriftiness of the litters produced by these sows. Prominence is given to individuals of merit in the hope that their female progeny may be retained as foundation breeding stock.

The competition has been so successful in the past years that it was decided to hold two series in 1932: one for spring litters farrowed between February 14th and April 30th, and one for fall litters farrowed between September 1st and October 31st. The Province was divided into districts and the following prizes were offered in each district: 1st, $25; 2nd, $24; 3rd, $23; 4th, $22; 5th, $21; 6th, $20; 7th, $20; 8th, $15; 9th, $15; 10th, $15; 11th, $15; 12th, $15; 13th, $15; 14th, $15; 15th, $15.

There were 141 entries in the spring competition and seventy-eight entries in the fall competition. A large number of the young sows from these litters were retained by their owners or purchased by neighbours for breeding purposes.

Bacon Hog Fairs

A Bacon Hog Fair was held in co-operation with the Dominion Live Stock Branch at Brigden in Lambton County on Monday, October 4th. Demonstrations in market type and breed type were featured at this fair. The judges gave reasons for all awards made. All classes at this fair were exceptionally well filled; the six months-old sow class leading with forty-two entries exhibited. Two decks of high-class market hogs were sold at very satisfactory prices following the fair.

Bacon Hog Field Days and Sales

The Provincial Bacon Hog Field Day was held at Ridgetown on Friday, June 10th, with an attendance of approximately six hundred people. Demonstrations and lectures dealing with various types of carcasses were given. This was followed by demonstrations of market hogs in which the desirable and undesirable features as indicated in the carcasses were exemplified in the live animal. The proper type of breeding stock to be used in the production of high-class market hogs was discussed and demonstrated. The Yorkshire breeders concluded the programme with a very successful sale of high-blass pure-bred sows and boars.

During the fall season a series of field days and sales were held at various points throughout the Province as follows: Madoc, Sunderland, Clarksburg, Rodney, Walton and Ingersoll. The attendance at these field days was very satisfactory, varying from seventy to two hundred. The programme was similar to that of the Field Day held at Ridgetown in June and in each case concluded with a sale of approximately fifteen fine young sows and three or four approved boars.

AUCTION SALES

To encourage consignment sales of high-class breeding hogs the Ontario Live Stock Branch pays a grant of $3.00 per head on each animal sold. On September 19th the South Simcoe Yorkshire Breeders held a sale at Alliston when they disposed of thirty-one head. The sale was well attended and prices were very satisfactory. The stock was purchased by buyers widely distributed throughout the Province.

ONTARIO PROVINCIAL WINTER FAIR, GUELPH

This fair, supported substantially by grants from both the Ontario and Federal Governments, is managed and operated by the staff of the Ontario Live Stock Branch. The directorate is composed of representatives from the following:

Ontario Horse Breeders' Association, Ontario Cattle Breeders' Association, Ontario Sheep Breeders' Association, Ontario Swine Breeders' Association, Ontario Poultry Breeders' Association, Ontario Seed Growers' Association, City of Guelph.

SUMMARY OF ENTRIES AND GATE RECEIPTS, 1922 TO 1931

	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Heavy Horses	225	191	254	146	225	240	274	251	190	225
Light Horses	51	35	32	43	194	252	336	380	307	384
Beef Cattle	387	317	305	280	257	312	226	304	193	250
Beef Carcasses	......	......	......	......	11	5	15	12	18	17
Dairy Cattle	99	87	38	88	40	26	44	58	......	......
Sheep	768	581	424	408	419	398	398	527	492	499
Sheep Carcasses	179	112	81	96	100	99	81	102	123	135
Wool	54	42	41	40	38	35	30	27	35	41
Swine	391	273	153	184	199	173	146	198	203	217
Swine Carcasses	34	34	45	48	63	42	39	39	54	26
Seeds	295	308	372	334	262	211	220	290	332	255
Fowls	3,817	1,570	794	1,297	1,423	1,437	1,194	1,187	1,358	1,331
Turkeys and Water Fowl	372	458	359	456	383	408	415	391	415	437
Pigeons and Pet Stock	763	378	247	227	261	308	282	348	369	327
Dressed Poultry	273	290	145	177	111	150	113	......	......	......
Gate Receipts	$5,286	$2,826	$2,813	$2,081	$3,685	$4,944	$5,200	$3,591	$4,416	$2,984

CO-OPERATIVE CAR SHIPMENTS OF LIVE STOCK

As a service to breeders of pure-bred stock in Ontario in enabling them to market their animals in Western Canada, the Live Stock Branch maintains a service known as co-operative car shipments, whereby, when sufficient stock is sold to purchasers in Western Canada, this stock is assembled, shipped west, and distributed to the purchasers.

STALLION ENROLMENT

During the season of 1932 there were 1,097 stallions enrolled; 125 carrying A-1 Certificates; 210 Approved Form I; 564 Passed Form I; 114 Defective Form 2, and 84 Interim Certificates. Cash premiums under the Federal-Provincial policy amounting to $8,600 were paid by the Ontario Department of Agriculture to the owners of 126 stallions on account of their season of 1931.

LOCAL POULTRY ASSOCIATIONS

Local Poultry Associations received assistance from the Department through the supplying of judges, lecturers, and grants to associations during the fiscal year, November 1st, 1931, to October 31st, 1932:

Number of Associations holding a Show during the fiscal year	26
Number of Poultry Judges supplied	26
Number of Lecturers supplied	7
Total amount of grants paid to Local Associations	$1,300.00
Total expenditures in connection with Judges, Lecturers, etc.	692.98

Boys' Foal Club Competition, Royal Winter Fair, 1932, as placed according to conformation. Col. The Hon. T. L. Kennedy may be seen on extreme left with the winner, Wm. Taylor, Grand Valley

ONTARIO FOAL CLUBS

The Ontario Live Stock Branch, in co-operation with the Ontario Horse Breeders' Association, and the Agricultural Societies, seeking to encourage horse improvement through the medium of Boys' Foal Clubs, organized seventeen clubs during the summer of 1932, each club consisting of at least twelve boys, ranging in ages from twelve to eighteen years. All foals exhibited to be sired by a registered stallion, and so far as possible to have been fed, cared for, and fitted by the boy for at least two months previous to the date of exhibition. Boys' foal competitions were held at the following shows in 1932:

Name of Club	No. of Members	Local Show	County
South Ontario	15	Oshawa	Ontario
Stratford	12	Stratford	Perth
Paris	15	Paris	Brant
Seaforth	16	Seaforth	Huron
Dresden	18	Dresden	Kent
Merlin	14	Merlin	Kent
Forest	13	Forest	Lambton
Brigden	14	Brigden	Lambton
Ilderton	19	Ilderton	Middlesex
Beachburg	12	Beachburg	Renfrew
Northumberland	13	Campbellford	Northumberland
York	15	Markham	York
Millbrook	15	Millbrook	Durham
Essex	16	Leamington	Essex
Teeswater	14	Teeswater	Bruce
Erin	12	Erin	Wellington
Caledonia	12	Caledonia	Haldimand

and the best exhibitors were then invited to show in the competition at the Royal Agricultural Winter Fair, at which two competitions were held, one for the foal, and the other for horsemanship, in which twenty-seven boys competed.

INSTITUTES BRANCH

Forty new Institutes have been organized during 1932.

The Institute members are increasing from year to year the variety and quantity of vegetables grown for use during the summer and fall and to put up for winter use. In order to assist them we have distributed large quantities of the following bulletins: Food for the Family, Preservation of Food (No. 252), and The Use of Vegetables (212). In addition, we have provided the officers of each Institute with a leaflet outlining a definite study in nutrition. This will be followed by other lessons in nutrition.

Services of the Field Specialists in nutrition, clothing and housing have been much appreciated and this additional service has increased the annual expenditure of the Department very little.

While the expenditure in Government service and financial assistance to the Institutes in their various activities was considerably reduced during the past year, a very effective year's work was accomplished. Judging from the reports presented at the conventions held in various sections of the Province, the past year's record surpasses in interest and value the programmes carried out by the Institutes in previous years.

Whatever affects the community concerns the Institutes. They have earned the confidence of the community through their readiness to meet emergencies with responsibility and resourcefulness.

STANDING COMMITTEE ACTIVITIES

Through the classification of interests under definite headings a uniformity of educational effort, service activities and systematic research has resulted.

HEALTH

There has been no retrenchment in this Branch of Institute work and steady progress has been shown. All the activities of former years have not only been sustained but have been extended. These activities include propagation of health education through the papers; health demonstrations; distribution of health literature; supplying and replenishing of first-aid kits in schools; nursing demonstrations in schools; financing of clinics and necessary operations and care of general hygienic surroundings of schools. Valuable work has also been done along the line of preventive medicine in the way of immunization treatments.

HOME ECONOMICS

The chief issue in the world to-day is right food; right food builds and sustains healthy bodies; healthy bodies develop and support sound minds, and sound minds breed sane thinking. Home economics is being systematically and scientifically studied by the rural homemaker, that she may make her contribution to sane thinking through her knowledge and application of the principles of nutrition, clothing and housing the family, much of which is made possible for her through the literature, demonstration courses, and other services rendered by the Department of Agriculture. Papers, demonstrations, contests, exhibits, all are used as means to the desired purpose of assisting the homemaker to become more efficient in her important profession.

EDUCATION

Education has been defined as the "art of thinking." The Women's Institutes have been developing this art under three distinct headings: Education as related to the schools; to the Institute members; and to the community.

Institute members generally are making generous use of the Departmental literature, in which they find real worth and profitable study. Practical well-balanced programmes and interest in local libraries contribute to their cultural development. Educational papers and addresses from leading citizens, radio and motion pictures are aiding in this educational development of rural Ontario.

Self-education such as this is reacting in raising the standard of community life. By the encouragement to cultivate the brain power of our people, we are aiding materially in developing Canadian leaders of thought. Debates, dramatics, illustrated lectures, travelogues are being utilized by the Institutes to contribute to their pleasure, culture and wider knowledge of world interests.

LEGISLATION

Legislation is becoming a subject of live interest and intelligent study. The members of the Institutes are aroused to the fact that citizenship involves knowledge of national affairs, and are keeping in close touch with legislative enactments, particularly in regard to care of children, property rights, inheritance and care of the unfortunate.

AGRICULTURE

Keenly alive to the national importance of the subject of agriculture, the Branches are giving more intensive thought as to how their problems may be met. More stress is being placed on home-grown products and their utilization, the value of fresh fruits and vegetables in the diet. The essentials in agriculture, uniform high quality of products, research and better marketing are features receiving attention, also continued interest in school and fall fairs, and home beautification.

IMMIGRATION

Not only is interest maintained in the newcomers to our country and all possible assistance given them to become established in community life, but under the immigration committee, those who are already in the country are being aided to a better knowledge of Canadian standards of living and customs, that they may share in the building up of a better Canada.

ONTARIO WOMEN'S INSTITUTES
FOR HOME AND COUNTRY
SOCIAL LIFE
WOMEN'S INSTITUTES
Banquets
Amateur Plays
Debates
Entertainments
Community Service
WOMEN'S INSTITUTES

Exhibit at Canadian National Exhibition indicating some of the activities of the Institutes Branch

RELIEF

Under the neighbourly cloak of relief activities, there has been a real bearing of each other's burdens this year. Effective services have been tendered in co-operation with township councils, schools and welfare nurses, churches and service clubs.

Assistance has been given to many public institutions in the form of delicacies, supplies of food, clothing and household equipment. Deeds of neighbourly kindness beyond count stand to the credit of the Relief Committee this year. Generous supplies of clothing and bedding have been forwarded from many centres in the older sections of the Province to needy committees in the north.

COMMUNITY ACTIVITIES

Possibly no branch of Institute work is receiving more attention than the variety of interests covered by community activities. A community consciousness is developing both community spirit and service and a broader understanding of group living and general interest in the common welfare. Social gatherings, wholesome recreations, debates, plays, festivals; care of parks, memorial plots; support or establishment of libraries; beautification projects of various kinds are receiving careful attention.

HISTORICAL RESEARCH

Historical research is becoming more and more a subject of interest and is bringing to light information and histories of national value. Systematic county-wide effort in some districts is resulting in the collection of many valuable records and the preservation of historical articles. There is also close co-operation with the Provincial Department of Archives.

CANADIAN INDUSTRIES

Our women are realizing that national prosperity and recovery from economic embarrassment may be materially assisted by the homemaker when making the necessary expenditures for her household if she buys Canadian goods made by Canadian workmen from Canadian material. The average member of the Institute is awake to the importance of supporting Canadian and Empire industries, and also realizes that most of the needs of the family in the matter of foods, clothing and housing can be adequately met by home industries and insure at the same time the comfort, convenience and healthfulness of the household. There is a broader, clearer understanding of Canadian industrial life through systematic study of raw and manufactured materials.

DEMONSTRATION-LECTURE COURSES

Seventy-one Two Weeks' Courses and sixty-three Three-Day Courses were held during the year, with a total enrolment of 2,849.

Each of the Two Weeks' Courses consisted of ten lessons in one of the following subjects: Food Values and Cookery, Sewing, Home Nursing or Millinery. The Three-Day Courses covered Sewing, Nutrition, Home Nursing, House Planning and Furnishing or Handicraft.

Since residents of the rural districts have less money than formerly to spend on service, they are keenly appreciative of up-to-date information, especially in sewing, home nursing and handicraft.

LESSONS IN NUTRITION

In order that every branch of the Institutes may be impressed with the importance of proper nutrition, the Institutes Branch has prepared a series of lessons in foods, furnishing a few copies to each officer.

It is confidently expected that this will result in the rural homes growing a greater variety of foods, especially vegetables, with a view to furnishing well-balanced health-giving meals throughout the year.

SUMMER SERIES

The Institutes were asked to hold group gatherings in 1932 with the members from two, three or four branches meeting at one place. The 1,215 branches were limited to 424 meetings, but the final requests totalled only 328 places. Several of the districts held a rally at a central point, instead of the three or four meetings offered; while a number of other districts did not take advantage of the full number of meetings allowed. The results were very satisfactory, for the plan followed enabled the Department to provide only the best qualified speakers and gave the officers and members from a wider territory an opportunity to become better acquainted with each other and familiar with the lines of work carried on in the district. These meetings are not only of practical value to the members but maintain a close relationship between the Department and the local branches, which is mutually beneficial.

DISTRICT ANNUALS

Each branch in the one hundred districts throughout the Province sends official representatives to the District Annuals, the number depending upon the membership. These gatherings are becoming of greater value from year to year, for the time is more largely taken up with the presentation of reports of activities of outstanding importance. The representatives are a great stimulus to each other, for if one group reports a worthwhile line of work, other groups are encouraged to follow the example set; so the districts are becoming more and more self-reliant in extending the organization to new centres, assisting the weaker branches and formulating programmes of real worth to the women in the home. The Institutes Branch sends speakers to a number of these gatherings.

ANNUAL CONVENTIONS

Most successful annual gatherings were held in twelve of the thirteen convention areas into which the Province has been divided for convention purposes. The number of delegates attending totalled 3,250. The Institutes in the Rainy River, Kenora and Thunder Bay districts decided not to incur the considerable expense necessary to meet at any one centre. In all other sections the attendance was well up to the average, while the character of the reports presented, the programmes formulated, and the enthusiasm in evidence were most encouraging.

The Department co-operates with the local committees in formulating programmes and completing plans at each centre, and usually two or more representatives of the Institutes staff are in attendance to present the programme of service available through the Department, to take part in discussions and to advise regarding programmes to be carried out in the various branches and districts. Co-operation on the part of the Department and the voluntary local groups has proven its worth.

The Institutes are furnished with minute books, report forms and blanks for lists of members. Information bearing upon a great variety of subjects of interest to homemakers is sent to the officers and members upon request. This service is increasing from year to year.

JUNIOR INSTITUTES

We now have 100 Junior Institutes with a membership of 2,100. The girls of the rural districts are carrying out worthwhile programmes, dividing their energies between study along practical and cultural lines, social undertakings and service, and so preparing themselves for the responsibilities of later life.

Coaching Classes and Judging Competitions

Fifty-three counties and districts took advantage of the coaching classes arranged through the Agricultural Representatives. The co-operation of the Institute members and other rural women resulted in a large number of girls taking advantage of the programme of instruction in nutrition and clothing at 314 places.

Following the classes in various centres, a competition was held at some central point in each county and district. Four thousand and seventy-four attended these coaching classes and 1,711 took advantage of the judging competitions.

The Department of Agriculture gave a book prize to the two girls in each county or district who made the best record in judging competition and project. If other prizes were offered then the next in line were given the book prizes.

Those who wished to be eligible for the Royal Party were required to carry on a project on one of the following lines: Clothing, Nutrition, Home Beautification or Garden and Canning. The project submitted must be approved by the coach and Agricultural Representative in order to entitle the contestant to a place on the Royal Party.

Inter-County Judging Competitions

In addition to the county judging, inter-county competitions on household science were held at the following fairs:

Place	No. competing
Ottawa	91
Canadian National Exhibition	263
London	41
Peterboro	51

COURSES IN HOUSEHOLD SCIENCE

Three-Months' Courses were held at seven centres with an enrolment of 218 and an average attendance of 160. The instruction included Home Economics, Sewing, Home Nursing, Household Arts and Handicrafts.

One-Month Courses were held at thirty-one centres with a total enrolment of 1,207 and an average attendance of 840. The instruction at these courses included Home Economics, Home Nursing and Sewing.

GARMENT-MAKING CLUBS

While a comparatively small number of Sewing Clubs were organized, the girls who took advantage of the instruction by the local leader derived much benefit. The directions given in the booklet provided is found of great value to the young girls who have had little training or experience in sewing.

COUNTY CONFERENCES AND ACHIEVEMENT DAYS

County Conferences and Achievement Days were held in twelve counties and afforded the girls an excellent opportunity to demonstrate through exhibits, demonstrations and addresses the beneficial results of studies and practical work undertaken by these special gatherings of Juniors at a convenient centre in each county and are proving of very great interest and a stimulus to the Junior work.

CANNING DEMONSTRATIONS

Canning demonstrations with lectures and distribution of literature were given in twenty-one counties to 570 girls of the Garden and Canning Clubs. These demonstrations together with the distribution of Bulletin No. 252, Preservation of Food, has induced many girls to grow a greater variety of vegetables and fruits and to put them up for winter use.

THE ROYAL PARTY

One hundred and eight girls from fifty-three counties and districts were brought to the Royal Winter Fair as guests of the Department of Agriculture in recognition of the standing which they took in the county or district judging competition and project work. A splendid programme of instruction and entertainment was provided by the Department for the three days the girls were entertained in the city. Many notes of keen appreciation have been received from these girls, who are prepared in recognition of the favours granted to assist in making the activities of the local groups of increasing interest and value.

ESSAY COMPETITION

The girls of the Royal Party were given the opportunity to write an essay on their trip to the Winter Fair, and the two prize winners from each of the five subdivisions into which the Province is divided for this contest were given a scholarship consisting of a two-weeks' course at either Kemptville or Guelph, the total cost being borne by the Department of Agriculture.

CONFERENCE

A Girls' Conference was held at the O.A.C., Guelph, on May 17th, 18th and 19th, with 176 in attendance, and at Kemptville on October 26th, 27th and 28th, with thirty-nine in attendance. Through conducted tours to the various departments, lectures, demonstrations and social features a very pleasant and profitable time was provided.

FRUIT BRANCH

Another fruit season has just passed and as with other farm products, returns to the grower, in many lines, have not been very favourable. Lower buying power on the part of the consumer has undoubtedly affected prices, but to this must be added the lack of organization in marketing which has particularly affected the disposal of the grape crop and to a lesser degree the sale of all other tender fruits. Until such time as the growers themselves exercise some control of the distribution of their fruits will there be the chaotic conditions that exist at the present time.

SMALL FRUITS

Growing conditions for strawberries were better than usual and resulted in a good stand of plants. Acreage increased rapidly the previous season, particularly in Southeastern Ontario, and the crop of this fruit was much heavier than usual. The jam factories and canneries bought very lightly which forced an excessive amount on local markets, breaking prices to unusually low levels. The action of the Norfolk Berry Growers' Association in putting away a large part of their berries in the cold storage there certainly relieved the fresh fruit markets of a large volume of fruit. A wider distribution was also tried out which may result in better distribution for the future to our northern and western markets.

The raspberry crop was lighter and coming in over a wider season was marketed to better advantage. This fruit is always more in demand for the jam trade than is the strawberry.

CHERRIES

Sweet cherries have long enjoyed a favourable reception on our home markets. Prices were lower than usual the past season due to the general depression, but the crop was all harvested. Sour cherry prices, however, were very disappointing and with a lessened demand for canning much of the fruit was handled at a loss.

PEACHES

This fruit, owing to its popularity for both canning and fresh fruit markets, never suffers to the same extent as the strawberry, sour cherry, plum, pear and grape. The great difficulty at the present time is the large volume of fruit arriving on our near-by markets in an unripe condition. Many complaints are being received from the consumers and a continuance of this practice will result in a lessened demand if not soon corrected.

Owing to the low prices received on the English markets in 1931, no car shipments were attempted this season. Very cheap fruit from the Continent arriving during our Elberta season apparently precludes our attempting to include this as one of our regular markets.

PEARS AND PLUMS

Both these fruits are difficult to market during many seasons, especially certain of the plums which are now being produced in volume much in excess of

A well-cared for orchard pays dividends. Ontario's climatic and soil conditions are eminently fitted for the production of cultivated and improved varieties of fruit market demands. Exports to Great Britain have fluctuated from year to year, but as experience increases a greater volume is moving east. New duties against foreign fruit entering the British markets, while too late to help much the past season, will react in our favour the coming season, and every effort should be made to supply part at least of the enormous quantities coming to these markets from the United States.

With the extension of cold-storage and packing-house facilities mentioned in last year's report, an opportunity was offered this season to put a large quantity of plums into Great Britain. Sales were arranged through Ontario's representative in London and the distribution of the shipments followed according to his plans. Altogether some seventy-three cars, largely Damsons and Rene Claudes were shipped from Grimsby, Burlington, Brighton and Picton. Owing to an extremely wet season more trouble than usual was experienced in landing shipments in firm condition. Later shipments when the fruit was ripe at packing time showed the greatest loss.

Owing to a very large crop of Bartlett pears, heavy shipments were forwarded to England with varying results. Bartletts from New York State were offered at extremely low prices. Keiffer prices were even more disappointing than the earlier varieties due again to heavy shipments from the U.S.A., arriving in ripe condition. Local markets were demoralized with early pears and with cold-storage holdings of Bartletts much heavier than usual, prices did not improve as the season advanced. Late varieties were in much better demand.

GRAPES

Another heavy crop of good quality fruit was produced but the returns on the whole were very low. Wineries did not contract for as much as in past seasons and the organizations fell down badly in pushing sales of the fruit in our Canadian markets. Altogether, 1932 was the most disastrous year in the history of the Ontario grape industry.

APPLES

A short crop in Western Ontario has relieved the domestic markets to a considerable extent, but with very limited demand, prices have been lower than usual. Fortunately the export trade has absorbed increased amounts at fair prices, clearing up most of the fruit for which storage could not be found. More than usual has gone into cold store for later markets. If our domestic demand improves in the new year, a large part of this fruit will be absorbed here in Canada. Otherwise the late export movement will be heavy and Ontario has a most excellent opportunity to benefit from the new trade agreements with Great Britain. Fortunately the Province is now well organized with storages and packing houses and an agent in London to look after distribution and sales.

COLD STORAGES AND PACKING HOUSES

Owing to financial conditions, building operations were much lighter than in 1931. The cold storages at Thornbury and Strathroy extended the refrigeration to include parts of these buildings formerly used as dry storages and the former

NORFOLK
FRUIT GROWERS
ASSOCIATION.

One of several up-to-date Cold Storage Warehouses and Packing Plants.

also installed low-temperature rooms. The Norfolk Association also made provision for low-temperature rooms to take care of the berry crop in that district.

At Meaford, the Association completed a very fine brick dry-storage plant and packing house that is likely to prove a model for individual growers or small groups interested in local markets.

At Grimsby the company there took over the Arena for packing purposes, their former building being too small and too far from the cold-storage plant. The new building is ideal for such use with a large floor area, no posts, and permits of the trucks driving through the centre to unload the fruit. Plenty of room is available for graders on both sides. Packing of plums for both export and domestic trade started early in the fall and with the packing of peaches and pears kept the plant going day and night until November. Over seventy cars were exported with large quantities placed in our Canadian markets. This organization is to be congratulated on its enterprize in expanding its business in face of the present conditions and also on the excellence of its pack which compares most favourably with any brands coming in from the West.

SPRAY SERVICE

Owing to financial conditions it was found necessary to lessen the expenditure on this work to a considerable extent. With the loyal support of the supervisors and also of the growers interested, changes were made for curtailing the time spent on the work in each county. The season was extremely difficult for spraying purposes in most sections owing to frequent rains during May, June and July with the result that in the central part of the Province both insects and fungus diseases were unusually troublesome. All tree fruits and vineyards suffered alike, with brown rot of peaches, apple scab, grape-leaf hopper and late codling moth being most noticeable. Special attention will be given to the control of certain of these troubles during the winter meetings of our growers.

REPORT OF THE PROVINCIAL ENTOMOLOGIST

The following is the report of that part of the Provincial Entomologist's work which comes under the Fruit Branch.

Administration of the Fruit Pests Act

Inspection of Nurseries for San José Scale. Approximately 1,100,000 fruit trees, 600,000 shrubs and 350,000 ornamental plants were inspected. The total number of scale-infested plants found and destroyed was 398. This is a remarkably low figure and is due partly to spraying and partly to the cool, wet season which was very unfavourable to the scale.

Inspection of Orchards for Black Knot and San José Scale. This work and the enforcement of spraying for San José scale was well done. Fortunately, as already mentioned, the scale did not thrive this year and there was very little of it present in the Niagara district. Black knot was also scarce.

Inspection for Peach Yellows and Little Peach. Special care was taken this year to find, so far as possible, all trees infested with either yellows or little peach, to prevent a threatened outbreak. A total of 4,825 trees were marked and destroyed. This is an increase of 851 over the number last year. Of this total the township of North Grimsby, including Grimsby town, furnished 1,944, Niagara Township 760 and Saltfleet 755.

Destruction of Peach Refuse and Sterilization of Peach Containers to Destroy Oriental Peach Moths. All peach refuse at canning factories has already been disposed of in accordance with the regulations and all containers have been sterilized. The improved steam box devised by Mr. Gordon Dustan of the Fruit Branch and mentioned in last year's report, has been used in almost all the factories and is proving satisfactory.

The Spray Service

This service was conducted in much the same way as usual, but the results in most counties have not been so good as in former years, first, because of the unprecedentedly great outbreak of the apple maggot and second because of very wet weather which occurred especially in the counties of Peel, Halton, Wentworth and Brant, and began just at the time when the first or pre-pink application was about to be applied. This made it impossible for the growers in these counties to get the spray on in time to prevent a heavy scab infection. In most of the other counties, however, where the buds were either more advanced or where the weather was much drier so that the spray could be applied at the recommended time, there was comparatively little scab.

Research

Oriental Peach Moth. During the year Mr. Gordon Dustan, working in co-operation with Mr. W. A. Ross, continued his study of the effect of weather and other environmental factors upon the different stages of the peach moth.

Spray Mixtures. The work of testing spray mixtures, begun several years ago in the orchard of the Ontario Reformatory at Guelph in co-operation with the Department of Botany, was continued. These experiments enable us to gain valuable information each year, which is very essential for use in connection with the spray service. One of the outstanding results observed from this season's work was the superiority of Bordeaux mixture over lime sulphur, when applied in the later sprays, warding off late attacks of scab. The iron sulphate-lime sulphur mixture recommended in Nova Scotia, was not so efficient against scab as the mixture recommended in the provincial spray calendar. In fact the spray calendar recommendations, with the substitution of Bordeaux in the last spray, gave the best results of any mixture tried.

Gladiolus Thrips. The enormous destruction of gladiolus bloom in 1931 and the need of answering numerous enquiries for control measures, made it necessary for us to test various remedies. Of those tried we found that the simplest were: (1) Submerging all the corms in winter or early spring for three hours in corrosive sublimate at the strength of 1-1000. This method is also, in most cases, the cheapest for the average person. (2) Fumigation with naphthalene flakes. This proved to be a good and fairly easy control. Where either was used and all the corms treated, there was practically no trouble from the thrips this year, unless they were situated very close to untreated corms. A mimeographed leaflet on the subject was prepared and distributed to all inquirers.

DAIRY BRANCH

In the season of 1932 there was an increase in the production of cheese and a decrease in the production of creamery butter.

The quality of Ontario cheese improved from 95.13 per cent. first grade cheese in 1931 to 96.38 per cent. in 1932. The quality of Ontario creamery butter did not show any improvement. The increase in the premium between first and special grade cream which came into force by Order-in-Council on August 23rd, 1932, should improve the quality in 1933.

INSTRUCTION AND INSPECTION AT DAIRY PLANTS:

CHEESE FACTORIES

	1932	1931
Number of Factories—		
Northern Ontario	10	10
Eastern Ontario	630	632
Western Ontario	82	77
	722	719
Number of Patrons—		
Northern Ontario	184	177
Eastern Ontario	21,084	20,505
Western Ontario	5,036	4,826
	26,304	25,508
Pounds Cheese Manufactured—		
Northern Ontario (April 1—October 31)	376,275	417,768
Eastern Ontario (April 1—October 31)	61,601,362	60,835,839
Western Ontario (April 1—October 31)	18,684,232	14,570,322
	80,661,869	75,823,929
Value of Cheese, Whey Butter and Whey Cream—		
Northern Ontario	$34,137	$46,539
Eastern Ontario	6,199,105	7,023,857
Western Ontario	1,814,301	1,776,216
	$8,047,543	$8,846,612

Number of boxes graded and percentage of first grade cheese by provinces as shown in the Federal Graders' Report, 1932:

	Number of Boxes	Per Cent. First Grade
Ontario	950,981	96.38
Quebec	330,301	86.32
Prince Edward Island	8,378	96.37
Manitoba	2,239	90.89
British Columbia	2,226	83.69

Number of boxes graded and percentage of first grade cheese in Ontario as shown in the Federal Graders' Report, 1932:

	Number of Boxes	Per Cent. First Grade
Northern Ontario	4,242	88.43
Eastern Ontario	727,536	95.83
Western Ontario	219,203	98.37

Number of cheese graded and percentage of first grade cheese in the different counties as shown in the Federal Graders' Report, 1932:

	Total Cheese	Per Cent. First Grade
Addington	16,214	96.1
Brant	2,184	99.2
Bruce	2,603	98.9
Carleton	45,025	97.7
Dundas	54,776	93.6
Elgin	21,876	98.1
Frontenac	69,195	96.0
Glengarry	52,662	95.8
Grenville	26,917	96.5
Hastings	66,443	98.0
Huron	3,846	94.2
Lambton	20	100.0
Lanark	25,695	96.6
Leeds	95,704	94.6
Lennox	25,641	96.1
Middlesex	52,819	99.1
Nipissing	3,419	90.1
Norfolk	1,761	94.8
Northumberland	31,285	97.4
Oxford	92,872	98.8
Perth	34,297	97.8
Peterborough	12,567	97.4
Prescott	73,078	94.9
Prince Edward	28,099	96.7
Renfrew	4,133	95.9
Russell	51,724	95.0
Stormont	47,221	95.3
Sudbury	823	81.8
Victoria	1,157	96.0
Waterloo	6,761	94.8
Welland	164	84.1

INSTRUCTION AT CREAMERIES

Location of Creameries:

	1932	1931
Toronto and West	168	163
East of Toronto	95	98
Northern Ontario	36	29
	299	290

Creamery Patrons:

	1932	1931
Toronto and West	55,773	54,849
East of Toronto	19,644	27,181
Northern Ontario	5,886	5,310
	81,303	87,340

Quality of Cream Graded by Instructors:

	Specials	First	Second	Off
1932	2.6%	80.0%	17.1%	.1%
1931	2.2%	81.1%	16.56%	.14%

CHECKING BABCOCK TESTS AT DAIRY PLANTS

Total Plants	623
Total Tests Checked	40,697

ONTARIO
DAIRY PRODUCTS
PURE · WHOLESOME · NUTRITIOUS
Unexcelled for Quality and Flavour
Rich in Protein · Low in Cost
ONTARIO DEPARTMENT OF AGRICULTURE
CHEDDAR CHEESE 1 POUND
CHEDDAR CHEESE Coloured, Large
CREAMERY BUTTER
CHEDDAR CHEESE 10 lb. WHITE
CHEDDAR CHEESE 5 lb. LOAF

Ontario Dairy Products enjoy an enviable reputation in the markets of the world. This exhibit was shown at the Royal Show, 1932, under the supervision of the Dairy Branch

EASTERN DAIRY SCHOOL

The school is operated as a combined cheese factory and creamery from April 1st to December 31st each year and during January, February, and March as a Short Course Dairy School. Thirty students registered for the three-months' course—twenty-nine passed all examinations. Seventy-nine experienced cheesemakers attended a four-days' course, and thirty cheese instructors attended a three-days' course.

The following is the manufacturing statement for the year ending October 31st, 1932:

CREAMERY DEPARTMENT

Total lbs. of butter made	144,345
Total lbs. of fat in cream	116,259.7
Average lbs. of butter per 100 lbs. fat	124.1
Total amount received for butter and buttermilk	$29,597.94
Manufacturing charges 5½c to 2c per lb.	$6,652.70
Average selling price of butter	20.34c
Average price paid patrons per lb. fat	19.70c

CHEESE DEPARTMENT

Total lbs. of milk received	1,060,647
Total lbs. used in separator and milk testing departments	4,320
Average per cent. of fat in milk	3.45
Average lbs. milk per lb. of cheese	11.28
Average lbs. cheese per lb. of fat	2.56
Average price received per lb. cheese	10.10c
Total value received for cheese and cream	$9,491.51
Manufacturing charges at 2c per lb. (9 months)	$1,698.62
Total amount paid patrons	$7,772.33
Average price paid per lb. fat	21.19c
Total lbs. cheese made	93,608

AGRICULTURAL REPRESENTATIVE BRANCH

FOREWORD

The situation in regard to Ontario's Agriculture is anything but satisfactory. The low prices obtained for farm products, in comparison with what the farmer has to pay for the maintenance of his farm, taxes and living expenses, have placed him in a precarious financial position.

This can be more fully realized when we consider that the price index of all farm commodities is very much lower than the index of retail prices and the cost of such services as food supplies, rents or taxes, clothing and sundries.

Hence, a large percentage of the farmers are not receiving sufficient revenue from their farms to meet expenses and if they have not a reserve fund on hand to meet the difference they find themselves in a serious predicament.

A noticeable feature is the fact that on those farms where some special attention has been paid to sound, careful management and sane farm practices, conditions are on a fairly satisfactory basis, and the better type of farmer will weather the storm for a considerable time.

The activities of the Agricultural Representatives have been directed along lines for the safe and progressive development of Ontario's agriculture. The various phases of extension work have been maintained as well as conditions would allow, with special attention given to marketing assistance and the development of junior work.

OFFICE WORK

Farmers are anxious to discuss their problems with the Agricultural Representatives and by their more frequent visits to our local offices they are showing their appreciation of the services available to a greater extent than was formerly the case.

The average office statistics concerning written and personal requests and other detailed office work are as follows:

Letters received	2243.7
Letters written	2129.
Circular letters mailed	8610.9
Incoming telephone calls	1797.2
Visitors	2160.5
No. of meetings addressed	63.5
Attendance at meetings	3690.7
Additional meetings attended	36.8

LIVE STOCK IMPROVEMENT

Extension work, directed along the lines of improving breeding stock and the bettering of marketing conditions is, in practically every county, part of the daily procedure with an Agricultural Representative. In co-operation with the Federal Live Stock Branch, the Live Stock and Dairy Branches of the Ontario

Department of Agriculture, the Ontario Agricultural College, the Kemptville Agricultural School and the Ridgetown Experimental Farm, a fairly definite programme on a provincial basis has been featured.

HORSES

The horse is becoming more appreciated as a factor of economical production and is replacing the tractor to a large extent for field work. This change has given a stimulus to horse breeding and there is a greater number of foals on the farms.

The Agricultural Representatives keep in close touch with the stallion owners of their counties and visit them, along with the stallion inspectors, at the time of their annual inspection trip. In this way they become very familiar with the calibre of sires being used. In communities where the services of a high-quality stallion is not available, Agricultural Representatives endeavour to stimulate interest and assist in the securing of a suitable stallion.

CATTLE

There is little change in the problems requiring attention, namely: better herd sires, more cows in testing work and better feeding methods.

In practically every county in Ontario a Live Stock Improvement Association functions, the Agricultural Representative, by virtue of his office, being the Secretary-Treasurer. One of the main lines of endeavour is to replace inferior males with good quality, well-bred sires. During 1932 a replacement of 565 bulls was made.

The regulation imposed by the State of New York on October 1st, requiring that all cattle entering the state must be from Bang Accredited herds, was a severe blow to Ontario's export business in dairy cattle. However, some of the clearest-thinking farmers and breeders are inclined to adopt the attitude that this barrier will prove a benefit to us, inasmuch as breeders will be forced into active measures to combat, on their own farms, Bang's disease, a scourge that has been causing considerable loss.

Cow Testing

Cow testing is carried on as a co-operative policy by the Agricultural Representative, Dairy and Live Stock Branches. For the year 1931-1932 there were 25 per cent. more cows on test than was the case in 1930-1931. All told 4,852 cows were on test and, besides these, a number of pure-bred breeders transferred their cows to R.O.P. testing.

Feeding Methods

The Agricultural Representatives perform a valuable service by assisting farmers to prepare balanced feeding rations. At the present time, when the selling price of home-grown grains is low, farmers are anxious to make use of them in their feeding operations.

SHEEP

Due to falling prices, Ontario's sheep population showed a slight decrease during the past year, as compared with increases the previous few years.

Boys' Calf Club

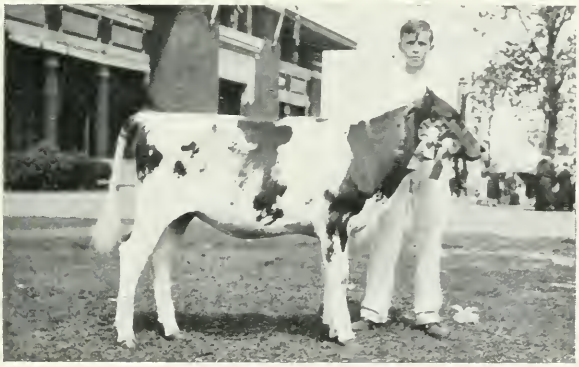
Agricultural Representatives, in co-operation with the Provincial Zoologist, conducted 136 Parasitic Control Demonstrations and, altogether, it is estimated that 57,300 sheep were treated in Ontario last year.

During 1932, forty-three dipping tanks were installed, making a total of 994 tanks in the Province. The Agricultural Representatives had the assistance of field promotion officers of the Dominion Live Stock Branch in carrying on this work, also in the conducting of docking and castrating demonstrations.

Due to the low prices of wool, a great deal of Ontario's wool crop was manufactured into blankets, etc., for the farmers' own use. Marketing of the lamb crop also received attention in that twenty lamb fairs were held to demonstrate the proper type and quality of lamb required to meet market demands.

SWINE

The granting to Canada, by the Imperial Conference agreements, of a special export quota of bacon and hams to the United Kingdom, created a renewed interest in hog production, but, up to date, this interest has been offset by the low prices prevailing, with the result that our swine population is about normal.



Donald McIntyre, Finch, Dundas County, with his winning calf in the Calf Club Competition at the Central Canada Exhibition, 1932. Also Championship Honours in Showmanship Class

In co-operation with the Ontario Live Stock Branch, twenty-one Bacon Hog Clubs were organized in 1932 and a number of Parasitic Control Demonstrations were given in co-operation with the Provincial Zoologist.

POULTRY

The poultry industry remains one of the bright spots in agriculture. Having always been a profitable sideline, it is now replacing many other lines and is becoming one of the main revenue-producing departments on a good many farms. The importance of culling the flocks regularly, or at least four times a year, is emphasized and farmers are taking more kindly to this phase of poultry husbandry and are getting results. It is estimated that 528,475 hens were culled in demonstrations or by qualified cullers during 1932.

Health and sanitation are now recognized as important factors in determining profits and the Agricultural Representatives lend their assistance by prescribing suitable mixtures for the control of both internal and external parasites.

Turkey farming has developed rather extensively throughout the Province and has proved to be very profitable.

SOIL AND CROP IMPROVEMENT

Hand in hand with live-stock improvement goes the production of hay, grain and root crops. The Agricultural Representatives continued to stress the necessity of sowing only high-class seed and the experimenting with commercial fertilizers to determine the individual farm and crop requirements.

A Seed Drill Survey, which entailed the collecting of samples of grain from the farmers' seed drills, was carried on in Haldimand County. Altogether 850 samples were collected, submitted to the Dominion Seed Branch for analysis and germination tests and later cleaned by a fanning mill to determine the size of screen necessary to produce a good sample. The graded samples were then returned to the farmers with instructions on how they might improve the quality of the seed grain being sown.

In connection with experiments on commercial fertilizers, the Agricultural Representatives assisted the Chemistry Department of the Ontario Agricultural College and commercial fertilizer companies by selecting suitable farms on which to conduct experiments. From the data compiled they were able to make recommendations relative to the district and crops grown.

To impart knowledge regarding good cultural methods, 114 meetings were held, invariably in the farmers' granaries, at which time a demonstration on how to adjust a fanning mill was given.

Many other phases of crop and soil improvement were stressed, such as Potato Culture, Weed Control, Soy Bean Experiments, Smut Control, Corn Borer Control, Turnip Marketing, etc.

PLOWMEN'S ASSOCIATIONS

In practically every county in Ontario one or more county and local plowing matches are conducted, and a great deal of enthusiasm for good plowing is developed, with a corresponding marked improvement in the quality of work done on the farms, particularly by the boys and young men. The Agricultural Representatives act either as Managing Director or Secretary-Treasurer for many of the Associations. Last year sixty-seven plowing matches were held throughout the Province.

FARMERS' EDUCATIONAL TOURS

Educational tours were organized by a number of Representatives and, even under these trying times, were well patronized. Trips were conducted to Northern Ontario, Ontario Agricultural College, Quebec, Experimental and Deomonstration Farms and other educational points.

FRUIT GROWING

In co-operation with the Ontario Fruit Branch and the Ontario Agricultural College, the Agricultural Representatives assist the apple growers by conducting a Spray Service, which includes the forwarding of letters dealing with the proper time to spray and the ingredients to use. It is reported from the County of Durham that 75 per cent. of the saleable apples produced in that county were grown by orchardists receiving these special spray service letters. Altogether, in Ontario, 2,447 growers were enrolled.

Assistance was also given, on request, to growers of small fruits and berries and many enquiries were answered dealing with fertilizer problems, marketing, grafting, etc.

UNEMPLOYED GARDENS

In co-operation with service clubs in the larger centres, the Agricultural Representatives have supervised areas of land devoted to relief gardens.

These projects proved very successful and the men appreciated the opportunity of growing vegetables for their own use. The average production per plot (1/10 acre) in the Kingston gardens was as follows:

Potatoes	6.4 bags
Carrots	1.8 bus.
Onions	2.2 pecks
Beans (green)	4.5 pecks
Beans (dry)	8.8 lbs.
Tomatoes	5.5 pecks
Cabbage	44 heads
Beets	3.5 pecks
Corn	13 doz. ears
Lettuce	41 bunches
Turnips	1¼ bags.

PUBLICITY

The Ontario Department of Agriculture, through its Agricultural Representatives and with the co-operation of the local newspapers, is enabled to

Haldimand County, 1932, Boys' Calf Club, Shorthorn Section, Eleven Calves Exhibited, Caledonia Fall Fair

disseminate a great deal of valuable educational information. The Agricultural Representatives prepare many articles relative to local conditions which are appreciated by the farmers of their counties.

MARKETING

The subject of marketing is one of considerable interest to the farmers of to-day. The Agricultural Representative Branch has been earnestly endeavouring to bring before the grower the importance of quality in all farm produce to command its rightful place in our domestic and foreign markets.

Besides carrying on this educational work, surveys of surplus holdings and shortages of farm produce for each county were made. This information was then tabulated and forwarded to the local Representatives so that the attention of prospective purchasers could be directed to those counties having farm products for sale. Assistance has also been given to farmers' organizations in the collective purchasing of supplies.

Harold Farrell, Finch, in plot of Alaska Oats. Oats from this plot won first in Early Oats Section Club Competition at 1932 Royal

JUNIOR EXTENSION

Notwithstanding the unsatisfactory economic condition of Ontario's agriculture during the past year interest was keen in the various phases of Junior Extension work. This interest was not confined to the young people but also to their parents and other adults. Many of the latter gave freely of their time so that the work could be carried on at even greater efficiency and at reduced expenditure from the Department. The junior programme carried on in 1932 will be dealt with under the following headings:

1. Rural School Fairs—Boys and girls between 8 and 12 years inclusive.
2. Boys' and Girls' Club work—Boys and girls between 12 and 20 years inclusive.
3. Short Courses in Agriculture and Home Economics—Young men and young women 16 to 30 years inclusive.
4. Junior Farmer and Junior Institute work—Young men and young women 18 to 30 years inclusive.

Rural School Fairs

Rural School Fair work was carried on in every county and district of the Province during the past year. The curtailment in the distribution of free seed to the pupils and in the supplying of paid judges for rural school fairs in no appreciable way retarded the interest in this project, which has been manifest since their inauguration in 1909. The decrease in the numbers participating in 1932 is due to general lack of funds on the part of the school boards with which to finance their prize lists. Special mention should be made of the splendid co-operation received from members of trustees' and ratepayers' organizations, Women's Institutes, officials of the Department of Education and other local leaders, all of whom gave material and, in some cases, financial assistance in order that this worth while project might be carried on. The following statistics are indicative of the extent of the project for the past two years:

	1931	1932
No. of School Fairs held	576	498
No. of Schools taking part	4,852	3,948
No. of Children taking part	122,616	112,050
No. entries at the fairs	387,265	287,945
No. of Children attending fairs	158,658	132,981
No. of Adults attending fairs	214,110	166,370
Total attendance	372,768	299,351

Boys' and Girls' Club Work

The interest indicated last year in Boys' and Girls' Club work has not only been maintained but a healthy growth taken place in so far as the majority of projects is concerned. Credit must be given to the Federal and Ontario Live Stock Branches, the Crops Branch of the Ontario Department of Agriculture and the Ontario Horse Breeders' Association, all of whom contributed materially to the success of a number of the projects. Special mention must also be made of the splendid-co-operation received from local agricultural societies, service clubs and other interested organizations and leaders throughout rural Ontario. The type of projects and the number participating in each is indicated by the following table:

Project	Number of Clubs	Number of Competitors
Boys' Calf Clubs	31	562
Boys' Heifer Clubs	12	141
Boys' Foal Clubs	16	245
Boys' Potato Clubs	29	650
Boys' Grain Clubs	23	565
Boys' Swine Clubs	17	124
Boys' Sheep Clubs—Provincial	24	360
Federal and Provincial	2	29
Boys' Garden Clubs	26	497
Girls' Garden and Canning Clubs	47	896
Boys' Farm Accounting Clubs	4	41
Boys' and Girls' Poultry Clubs	4	207
Girls' Garment Making Clubs	5	119
Boys' Corn Clubs	2	109
Miscellaneous Clubs	8	178
Totals	250	4,723

Provincial Inter-Club Competitions

Elimination contests for teams of two boys representing cattle, swine, grain and potato clubs in the Province were held in October. The winning teams were as follows:

Project	No. Teams competing	Winning Club Team	Team Members
Cattle	24	Peel County Shorthorn Club	Jas. Pinkney and Gordon Robinson
Swine	10	Hastings County Swine Club	Wm. Gay and Ray Mallory
Potatoes	10	Wentworth County Potato Club	Stephen Fletcher and Binnie Sherwin
Grain	10	Renfrew County Grain Club	Stewart Sparling and D. S. Gibbons

National Club Competitions

Ontario club members made a very satisfactory showing in the competitions and classes sponsored by the Canadian Council on Boys' and Girls' Club work at the Royal Winter Fair. The standing of Ontario teams was as follows:

Project	No. Provinces competing	Standing
Beef Cattle	4	First
Swine	6	First
Grain	4	Second
Potatoes	3	First

All told there were twenty-six teams or fifty-two competitors representing every province in Canada taking part in the National Contests at the Royal Winter Fair.

"ROYAL PARTY"

A party of 188 young men between the ages of 16 and 20 years inclusive were brought to Toronto at the time of the Royal Winter Fair as guests of the

Ontario Government. Every county and district in the Province was represented in the party. Fifty-three members of the party were winners of club projects in their home counties or districts and the balance of the party was selected by means of special judging competitions conducted by the Agricultural Representatives in their respective counties and districts. In all, some 1,966 competed for these prize trips. In addition to the time spent at the Royal Winter Fair, their four-day programme included visits to various plants where they were the guests of industrial organizations.

In order to stimulate close observation on the part of all members of the party, an essay contest was conducted at the conclusion of the trip. Essays were submitted by 121 members of the party. To the writers of the ten best essays were awarded championship prizes each consisting of a two-weeks' short course at either the Ontario Agricultural College or the Kemptville Agricultural School.

SHORT COURSES

Itinerant short courses of varying length were held in practically all counties and districts of the Province during the past year. The courses are organized by the local Agricultural Representatives in co-operation with the local people. At most centres two courses are held, one a course in agriculture for young men and the other a course in home economics for young women. These short courses from the standpoint of this report are subdivided into three main groups:

(1) One-Month Courses.
(2) Three-Month Courses.
(3) Special Courses.

One-Month Courses

During the past year, one-month courses in agriculture were held at thirty centres in Southern Ontario. There was a total enrolment of 1,023 or an average of thirty-four per course. At twenty-six of these centres, a similar length course in home economics was held for young women. The enrolment for this latter type of course was 1,005 or an average of thirty-nine per course. Both courses are conducted under the direction of the respective Agricultural Representative; however, in the case of the home economics classes, the course of study is administered by the Institutes Branch.

Three-Months' Courses

In seven counties in 1932 courses of three months' duration were conducted in both agriculture and home economics. Altogether 217 young men and 257 young women or an average of thirty-one boys and thirty-seven girls were enrolled at these courses. As in the case of the one-month courses, the classes in domestic science are conducted by specialists from the Institutes Branch.

Special Courses

Twenty courses varying in length from four days to three weeks were conducted by Agricultural Representatives in Northern Ontario. At these special courses there was a total enrolment of 960 or 48 per course.

JUNIOR FARMER ASSOCIATIONS

There are 151 Junior Farmer Associations with a membership of 4,482 in the Province. These organizations, which were first instituted in 1914, are formed at the conclusion of the short courses in agriculture so that the members may continue their study at monthly meetings of the problems of their respective communities. In eighteen counties, county organizations have been formed. These, in turn, give leadership and sponsor such inter-club activities as public speaking, debating, dramatics, musical festivals, stock and seed-judging competitions and other projects of an educational and social nature.

Judging Competitions

Judging competitions in live stock and field crops continue to play a worthwhile part in the Junior Farmer programmes throughout Ontario. That they are an important feature in the programme of agricultural education being carried on with rural young people is becoming more obvious year by year. They are important because they have a tremendous influence in improving the live stock and live-stock practices on the individual farms, in various communities and, therefore, in improving the live-stock industry itself. The comments of J. A. Simpson, Agricultural Representative for Dundas County, are of interest in this connection:

"Mr. ——— I consider our outstanding judge, showman and fitter of Holstein cattle in the county. He represented the county at live-stock judging competitions during the time of Mr. E. P. Bradt as Agricultural Representative back in 1914 or 1915. Mr. ——— own idea re the value of judging contests was pretty well expressed in his remarks to a class of boys that we had on his farm last January when he told them, 'You boys are on the right track. It is not so many years since I was doing the same thing as you are, taking part in coaching work and in judging competitions and if I had not had that opportunity I expect I would be just like a lot of other farmers that I know—just plugging along.' "

As a matter of fact, contests of this nature have a far broader value than simply improving live stock and live-stock practices. The basis of all judging work is keen observation and ability of expression. Progress ceases when the individual stops observing and, therefore, good coaching calls into action talents which otherwise might lie dormant and the effort to achieve and excel calls forth character and creates a habit of firm judgment and decision. This is substantiated by the comments of ——— , well-known breeder of Shorthorns. Mr.——— states that through his long years of watching the development of Junior Farmers and their work in live-stock contests, he is convinced that these men, after starting on their own are not only the best farmers but the best citizens of the country.

With facts of this nature as a background, Agricultural Representatives continue to conduct county or district competitions in their respective counties or districts. In all, thirty-eight competitions were held in 1932 with 1,396 competitors taking part. With the co-operation of the directorates of the Canadian National Exhibition, the Central Canada Exhibition, the Western Fair, and the Peterborough Industrial Exhibition, contests for individual competitors were conducted during the year with 926 competitors participating. In order to stimulate interest, inter-county competitions were conducted at Toronto and

Ottawa with the co-operation of the Royal Winter Fair and the Ottawa Winter Fair respectively. Perth County, in competition with thirty-two other county teams, won the Jeffrey Bull Memorial Trophy, emblematic of the live-stock judging championship at the 1932 Royal Winter Fair. At Ottawa, with eleven counties competing, the Peter White Live-Stock Trophy was won by Grenville County, while the United Counties of Prescott and Russell won the Geo. White Challenge Trophy in competition with thirteen Eastern Ontario county teams.

Home-Plowing Competitions

Twenty-one Home Plowing Competitions were conducted amongst the Junior Farmers in as many different counties in 1932. The Ontario Department of Agriculture contributed to the prize lists for these competitions to the extent of $436.25.

Junior Farmer Club Projects

Projects of a similar nature to those described under Boys' and Girls' Club work, but of a more advanced nature, were conducted in a number of counties amongst the Junior Farmers. Scholarships, consisting of a two-weeks' short course at either the Ontario Agricultural College or Kemptville Agricultural School were awarded. Thirty-three young men received such courses at the expense of the Ontario Department of Agriculture during the past year.

CROPS, CO-OPERATION AND MARKETS BRANCH

MARKETING

Economic conditions have not retarded agricultural production in Ontario. In spite of most discouraging prices, the 1932 total volume of agricultural output was one of the largest in the history of the Province. Low purchasing power and flooded markets at home and abroad greatly increased marketing difficulties and consequent demands made on this Branch. There has been a marked increase in applications for assistance by correspondence and interviews. As the Director of the Branch was also Secretary of the Ontario Marketing Board, close co-operation was effected and many suggestions offered by the Board were acted upon by the Branch.

Consumer Programme

The consumer programme has been continued and expanded. A radio broadcast featuring Ontario Farm products and advising consumers how to purchase to advantage was given each week-day throughout the year. This is very popular with consumers who appreciate the market report included as well as other information. We have learned that many farmers throughout the Province tune in for this programme.

Large exhibits were arranged at the Canadian National Exhibition, Royal Winter Fair and Western Fair at London. In connection with the Royal Winter Fair, a contest featuring Ontario Products was participated in by thousands of public and separate school children. At this fair, a contest was held also for women in which there were 12,000 participants. The prizes were chiefly Ontario farm products.

Commencing June 2nd a bi-monthly press release was inaugurated providing timely news items on agricultural marketing which have been used freely by most daily papers in Ontario. In addition, many items have been supplied to the weekly press of the Province and a large number of special articles have been written.

ONTARIO FARM PRODUCTS WEEK

As part of the consumer programme, the week of October 17-22 was set aside for special concentration on Ontario farm products. An appeal was made to such organizations as municipal councils, service clubs, women's associations and retail merchants and excellent co-operation was received from these and many others. The press of the Province was particularly helpful.

A window-dressing competition was arranged in every city in Ontario and in some counties was extended by local committees to include villages and towns. The Department paid over $2,700 in prize money which was supplemented by municipal grants and other local funds in many cases. The retail stores in competition totalled 1,247 but a large number of merchants dressed their windows without competing for prize money.

As a special feature in Toronto, a parade of trucks laden with farm products was staged. This was a splendid success as almost one hundred floats were in line creating a very impressive sight which did much to advertise the great variety and quality of Ontario farm products to the people of the capital city.

FARMERS' MARKET COMPETITION

During Christmas week competitions were conducted in fifty-one Farmers' Retail Markets. Nearly 800 farmers participated and over $1,600 in prize money was paid by the Department. This contest did much to encourage attractive Christmas displays and to increase the business done by these markets.

LIVE STOCK MARKETING

To study some of the many problems surrounding the marketing of live stock, a special investigator was appointed in April. Truck movement of live stock received particular attention. It was found the rapid change from rail to truck shipment had created new problems and had done much to break down the established system of marketing in many districts. As would be expected during the period of adjustment, some irregularities were found and some unfair practices were observed. The investigator was convinced that the application of the bill of lading would do much to improve the situation. It is contended that the trucker should be identified as owner, dealer, agent or common carrier. He was convinced that while truck shipment could compete efficiently for shorter distances that by proper organization and full carloads, rail shipments should be cheaper for longer hauls of say over forty miles.

A special study was made of bruising. It was found losses due to bruising are very heavy and to a large extent this can be prevented by careful handling of live stock all along the line, from farm to killing pen. Truck loading facilities were found to be inadequate on many farms. In a survey of fifty farms in York County, "built-in" chutes were found on thirteen farms, portable chutes on twenty-nine and no chutes at all on eight. On the same number of farms in Simcoe County "built-in" chutes were located on five, portable chutes on thirty-one and no chutes on fourteen.

It was reported much unnecessary bruising occurred in transit owing to excessive speed, lack of proper partitions and careless unloading. Thirty trucks were observed unloading at the Union Stock Yards in one day. The operators were classified as follows: Rough, 15; Careless, 6; Careful, 9. It was suggested also that much could be done to prevent bruising at local shipping points by the use of proper unloading chutes and penning to prevent fighting. It was observed too that much more could be done to prevent bruising in handling animals at the stock yards and abattoirs.

CO-OPERATIVE MARKETING

Owing to conditions there was an increased interest in co-operative marketing. This Branch continues to give advice particularly on organization and incorporation of co-operative companies. During the year the following were incorporated:

Niagara Apple Growers' Co-operative, Limited, Grimsby, Ontario.
The Second Co-operative Packers of Ontario, Limited, 96 Bloor Street West, Toronto.
Hamilton Co-operative Creameries, Limited, Hamilton, Ontario.
Workers' Co-operative Boarding House, Limited, 51 Third Avenue, Timmins, Ont.
Ukranian Workers Co-operative Association, Limited, Welland, Ontario.
Co-operative Golden Guernsey Products, Limited, Woodstock, Ontario.
Slovian Co-operative Association, Limited, Timmins, Ontario.
Community Co-operative Dairy, 351 Sherbourne Street, Toronto, Ontario.
Nelson Fruit and Vegetable Growers' Co-operative Co., Ltd., Burlington, Ontario.
Hibbert Co-operative Dairy Association, Limited, Staffa, Ontario.
The Consumers Co-operative Society, Limited, Timmins, Ontario.
Kintore Co-operative Dairy, Limited, Kintore, Ontario.
Soybean Oil and Meal Co-operative Company, Limited, Chatham, Ontario.
New Erie Co-operative, Limited, Leamington, Ontario.
Homestead Co-operative Dairy, Limited, Thamesford, Ontario.
The Ontario Co-operative Wholesale Society, Limited, Dundalk, Ontario.
Retail Cleaners Co-operative, Limited, Toronto, Ontario.
Northumberland Producers Co-operative Association, Limited, Brighton, Ontario.
Meaford Co-operative Fruit Growers, Limited, Clarksburg, Ontario.

CO-OPERATIVE MARKETING LOAN ACT

Through the Co-operative Marketing Loan Act, which was amended at the 1932 Session of the Legislature, loans were made to the following organizations:

Organization	Amount of Loan
Kingsville Fruit Growers' Association	$1,200
Seacliffe Growers Co-operative Association	1,200
Ruthven Growers Co-operative Association, Limited	1,200
Harrow Farmers Co-operative Association, Limited	1,200
Trenton Cold Storage, Limited	50,000
Prince Edward County Fruit Growers	30,000
Georgian Bay Fruit Growers, Limited	20,000
Middlesex Growers Co-operative, Limited	26,000

POTATO MARKETING

Potatoes constitute an important crop in Ontario, production ranging usually between 15,000,000 and 20,000,000 bushels. Until recently marketing was very unsatisfactory. During the past three years this Branch has given particular attention to the problem and much improvement has been made. Many more potatoes are now sold by Government grade and the quality of offerings has shown a marked improvement.

Last winter the Central Ontario Potato Growers' Association experimented with a new method. "Canada Fancy" Dooleys were offered in peck bags through Toronto retail stores. The trial proved very encouraging. In the autumn the experiment was continued but the Association found difficulty in maintaining uniformity of grade by permitting each farmer to pack his own potatoes. Moreover, it was realized that continuity of supply was necessary to the success of the project. To overcome these difficulties, the Association is now operating a central grading house in Toronto. All grading and packing is under the supervision of one man and supplies are available to fill all orders as received. This project looks very encouraging.

A field man supplied by this Branch has given service to potato growers in many sections of the Province, not only in marketing but also in cultural practices. An experiment was conducted in the marketing of carefully selected early potatoes

GROWN FOR DOMINION
GEORGE & L H LEAVER
23800

An impressive Farmers' Parade. Part of a project under the personal direction of Mr. James B. Fairbairn to popularize the use of our home-grown produce packed in six-quart baskets in the field. This method not only resulted in more carefully selected tubers but avoided bruising and skinning so prevalent when immature potatoes are shipped in bags and repacked at the receiving market. Net returns to the producer were increased 15c per ninety-pound bag.

MARKETING OF SEEDS AND GRAIN

Considerable assistance was given to the marketing of some classes of Ontario seed. In 1931, Ontario had a very good corn crop. As home-grown seed is considered more suitable for Ontario sowing, a programme was carried out to increase the purchase of this product. Displays were arranged at several exhibits and meetings. Splendid co-operation was received from the press and a special pamphlet featuring Ontario-grown corn was widely distributed. A somewhat similar procedure was followed with respect to alfalfa of which there was a good crop in 1931. With the hope of creating an export demand for this commodity, small lots were shipped to Denmark and to England for growing trials.

On the suggestion of the Marketing Board, experimental shipments of barley were sent to Great Britain. One carload was shipped to a large brewery in London and the other to a similar organization in Ireland. Choice lots of O.A.C. 21 barley were carefully cleaned for this purpose. Payment was made at "fair market value." Due to the cost of extra cleaning and excessive freight on small lots, a small loss occurred on these shipments. The barley was well received by the maltsters; however, the chief fault being that the nitrogen content was rather high. As a result of this shipment, enquiries came this autumn from England for barley of a similar type. A price was offered equal to that of "California Brewing" which has always commanded a premium on the British market. Due to extreme adverse exchange situation, it was impossible for Ontario shippers to accept the offer. The ground work has been done, however, and should more favourable economic conditions prevail, it is hoped that Ontario malting barley will commence to move to the British market.

Owing to greater efforts put forth by Ontario farmers to control weeds, buckwheat acreage in the Province is increasing. With this in mind, export markets for buckwheat were investigated. It was found that from 150 to 200 carloads are available for export. To gain the advantage of low rates, buckwheat should move by cargo. Owing to our relatively small shipments, Canadian buckwheat has been forwarded to United States ports and mixed with American grain which we believe to be of lower quality on the average. The European market was investigated and samples of our buckwheat were forwarded to several dealers across the water for examination and quotations.

Our conclusion is that Ontario buckwheat may be concentrated at Canadian ports for cargo shipment direct to European importers.

TURNIP MARKETING

The Branch has co-operated in the promotion of marketing high-class table turnips or rutabagas. A year ago on the suggestion of the Department, the Blackwater Turnip Growers' Association conducted an experiment in marketing carefully selected, washed and individually branded, rutabagas. One retail chain organization offered these turnips in their Toronto stores and during the winter their sales were doubled. Encouraged by this consumer appreciation, the Association during the summer remodelled and enlarged their warehouse and equipped it with suitable machinery to turn out this product. During this marketing season demand for their product has increased and 1,000 bushels a week are being prepared in this manner. This project so far has been very satisfactory and promises to revolutionize the marketing of table turnips in Ontario.

The success of this venture was made possible by an improvement in cultural practices which had been accomplished by the Growers' Association. Good seed was found to be very important. To encourage an improvement in the seed being used in other table-turnip producing sections, fourteen demonstrations were conducted by this Branch in the Counties of Ontario, Wellington and Waterloo.

CROP PROGRAMME

The crop programme for the year was planned primarily for the purpose of increasing the revenue per acre. Owing to a reduction in appropriation, the Crops Train was not run in the winter as formerly. The number of meetings was also greatly reduced.

Two investigations were conducted to find out, if possible, the degree of efficiency with which threshing mills are operated. Independent investigators operating in the Orangeville and Ottawa Valley districts found that 60 per cent. of the mills were operated well. About 30 per cent. were operated with a fair degree of efficiency and 10 per cent. were badly operated. These facts, along with apparent reasons for poor threshing and suggestions for improvement, were offered to the threshermen and accepted whole heartedly.

An attempt was made to work more closely with the threshermen of the Province. This Branch was represented at the annual meetings of the Ontario Brotherhood of Threshermen at London and Peterborough. Addresses given at these meetings were printed in the Threshermen's Journal.

SEED-CLEANING PLANTS

The popularity of the seed-cleaning plant is increasing. The policy whereby the Provincial and Federal Departments of Agriculture unite in paying a substantial grant on the installation of seed-cleaning and grading machines has been instrumental in the establishment of the following new plants in Ontario in 1932:

Plant	Place	County	Grant
St. Isidore Seed Growers	St. Isidore	Prescott	$460.78
C. L. Hartley	Athens	Leeds	258.80
St. Pascal Seed Growers	St. Pascal	Russell	467.50
Vankleek Hill Agricultural Society	Vankleek Hill	Prescott	459.70
A. J. Shantz	Hespeler	Waterloo	260.56
Thunder Bay Co-op. Seed Growers	Kakabeka Falls	Thunder Bay District	270.00
Sangster & McCuaig	Bainsville	Glengarry	394.55
W. A. MacEwen	Maxville	Glengarry	334.10
Sturgeon Falls Arts and Agr. Society	Sturgeon Falls	Nipissing District	412.43
Lawrence Scissons	Dunrobin	Carleton	23.26
Hearst Demonstration Farm	Hearst	Cochrane District	267.50
N. Currah	Innerkip	Oxford	265.32
W. F. Weedmark & Son	Beachburg	Renfrew	477.18
Total			$4,351.68

Additional machinery was added in the following plants:

J. W. Real	Uxbridge	Ontario	$142.96
Fennell & Wallace	Winchester	Dundas	103.44
Addison Coulter	Foxboro	Hastings	55.50
Brownlee & Son	Richmond	Carleton	141.65
Total			$443.55

Two-day courses were conducted at Kemptville Agricultural School and O.A.C., Guelph, for seed-cleaning plant operators. There was an attendance of twenty-five at Kemptville and forty-two at Guelph. In both cases the operators appreciated the opportunity of attending and asked that similar courses be held during the winter of 1932-1933.

A field man, expert in the handling and operating cleaning plant machinery is at the service of operators for the purpose of instruction, conducting demonstrations, etc.

WEED CONTROL

In our administration of the Weed Control Act, we received a higher degree of co-operation from all municipal councils and progressive farmers.

Weed Inspectors were surprised to find that in spite of financial difficulties and low prices, farmers generally were willing and anxious to do everything humanly possible to check the growth and spread of weeds, and farmers of the Province are to be congratulated on their successful efforts in keeping weeds in check.

Municipal weed inspectors with but few exceptions were capable and efficient officers and did much toward popularizing the Weed Act and extending its usefulness.

The administration of the Act largely falls on four district weed inspectors who with the backing of four years' experience in this work and by the use of tact and good judgment have gained the confidence of weed inspectors, farmers and municipal officers.

County weed meetings were held in the spring to which weed inspectors, road authorities and municipal officers were invited. At these meetings, inspectors were fully informed as to their duties and were equipped with all the best information on ways and means of combating troublesome weeds.

Sow thistle experimental plots have been in operation for three years at Stratford and show very conclusively that sow thistle can be controlled by summer cultivation and the judicious selection of crops. A similar and more extensive experiment was started at Queensville in York County.

The Botany Department, O.A.C., Guelph, has carried on very extensive experiments with chemical weed killers, the results of which are transmitted over the Province through the local and district weed inspectors.

A set of 100 coloured slides was prepared showing all the troublesome weed of Ontario and enlarged drawings of their seeds. These were used extensively at weed meetings and have been placed in the Slide Department Library for the use of the general public.

BOYS' AND GIRLS' GRAIN AND POTATO CLUBS

In order to encourage Grain and Potato Club work in the Province, the Crops Branch paid 50 per cent. of the prize money offered on Achievement Day.

Clubs taking advantage of the offer were:

GRAIN CLUBS

	County	Grant
Boys' Grain Club	Ontario	$11.85
Grain Club	Wentworth	15.00
Verner Grain Club	Sudbury District	15.00
Unionville Grain Club	York	16.50
Renfrew Grain Club	Renfrew	16.50
Beachburg Grain Club	Renfrew	10.00
Stratford Boys' Grain Club No. 1	Perth	15.50
Stratford Boys' Grain Club No. 2	Perth	16.50
Alberton Grain Club	Simcoe	16.50
Stirling Grain Club	Hastings	15.00
Newington Grain Club	Dundas	15.00
Dungannon Grain Club	Huron	14.50
Chatham Grain Club	Kent	16.50
Rodney Grain Club	Elgin	16.50
Midland Grain Club	Simcoe	5.75
Barrie Grain Club	Simcoe	16.50
Meaford Grain Club	Grey	16.50
Walter's Falls Grain Club	Grey	15.00
		$264.60

POTATO CLUBS

	County	Grant
Erin Potato Club	Wellington	$16.50
Junior Irish Cobbler Club	Ontario	7.55
Junior Dooley Club	Ontario	7.25
Senior Dooley Club	Ontario	11.30
Potato Club	Wentworth	16.50
Potato Club	Sudbury District	16.50
Providence Bay Potato Club	Manitoulin	16.00
St. Catharines Potato Club	Lincoln	13.00
Temiskaming Potato Club	Temiskaming	10.00
Elgin Farm Boys Potato Club	Elgin	16.50
Smith's Falls Potato Club	Lanark	15.00
Senior Dooley Club	Middlesex	16.50
Junior Dooley Club	Middlesex	16.50
West Korah Potato Club	Algoma	15.00
Richard's Landing Potato Club	Algoma	15.00
Walter's Falls Potato Club	Grey	13.00
Ayton Potato Club	Grey	16.00
		$238.10

This Branch also offered special prizes amounting to $100.00 to winners in the final Provincial Grain and Potato Club competitions held at the Ontario Agricultural College Guelph.

INTERNATIONAL GRAIN AND HAY SHOW, CHICAGO

The following table will indicate that this show is becoming increasingly popular with Ontario exhibitors:

Year	Entries	No. of Prizes	Championships	Reserve Championships	First Prizes
1929	46	27	..	..	..
1930	111	37	2	1	3
1931	112	80	1	..	3
1932	172	108	3	2	6

All exhibits were collected at Guelph and forwarded to Chicago under the supervision of an official of the Department of Agriculture at the expense of the Crops Branch. All corn exhibits had to be heat treated at Windsor before crossing the border.

Fifty-dollar specials offered by the Department of Agriculture to exhibitors winning first prize were won as follows:

Class	Winner	Prize
Field Beans (Navy)	Mrs. M. E. Maycock, Milford	1st in Class and Championship
Field Beans (A.O.V.)	J. H. Lampman, Ridgetown	1st in Class and Reserve Championship
Field Peas (Small Yellow)	R. S. Lee, Chatsworth	1st in Class and Championship
Alfalfa Seed (East)	Robt. J. Shaw, Mono Road	1st in Class and Reserve Championship
Soy Beans (Region 1 and 2, Yellow or Greenish Yellow)	G. Gordon Finlay, Northwood	1st in Class and Championship
Soy Beans (A.O.V. Regions 1 and 2)	Hugh Jeffry, Whitby	1st in Class

Fifteen-dollar specials offered to Ontario exhibitors standing highest in Alfalfa Seed, Alsike Seed, Six-Rowed Barley, Red Clover Seed, Soy Beans, Navy Field Beans, A.O.V. Field Beans, Large Yellow Field Peas, Small Yellow Field Peas, A.O.V. Field Peas, Early Oats and Late Oats, providing such exhibitors did not win a first prize, were won as follows:

Class	Winner	Prize
Alsike Seed	C. C. House, Hagersville, Ontario	10th
Six-Rowed Barley	D. L. Scott, City View, Ontario	5th
Red Clover	Euclid Farley, Navan, Ontario	17th
Field Peas (Large Yellow)	H. L. Goltz, Bracebridge, Ontario	4th
Field Peas (Any Other Colour)	A. E. Browning, Oxdrift, Ontario	3rd
Early Oats	J. J. Gordon Hodgins, Carp, Ontario	9th
Late Oats	Andrew Schmidt, Mildmay, Ontario	21st

WORLD'S GRAIN SHOW

The World's Grain Show Committee continued their preparation for the event to be held at Regina in 1933. The increase in entries and prize-winning exhibits at the International indicates that Ontario farmers are preparing for the world contest.

ONTARIO APPLES
FINEST FOR FLAVOUR
FRUITS VEGETABLES
THE FINEST
WORLD
ONTARIO VEGETABLES
THE FRESHEST AND BEST
Prize Winner

A fine display of Ontario Fruits and Vegetables shown in Window-Dressing Competition

LIME MOVEMENT

The policy to encourage the movement of agricultural limestone was continued and four steam railways co-operated with the Federal and Provincial Departments of Agriculture. Movement was as follows:

1931	91 cars
1932	122 cars

COMMUNITY HALLS

During the year just completed eleven halls and parks were completed under the Community Halls Act, R.S.O. 1927.

The total cost of these halls and parks amounted to $64,688.27 and the total of grants paid was $12,559.78.

Hall or Park	Total Cost	Grant
Wardsville Community Hall	$8,615.00	$2,000.00
Kemptville Community Park	8,833.95	2,000.00
Janetville Community Park	1,822.70	455.68
Myrtle Community Hall	3,779.05	944.76
Crossland Community Hall	3,324.25	831.06
Rodney Community Hall	20,000.00	2,000.00
Craithie Community Hall	577.50	144.37
Finch Community Hall	9,000.00	2,000.00
Verner Community Park	4,666.43	1,166.61
Elk Lake Community Park	2,920.27	730.02
Angus Community Park	1,149.12	287.28

COLONIZATION AND IMMIGRATION BRANCH

Number of farm placements classified:

Single men	1,078
Married men without children	24
Married women	24
Married men with children	4
Married women with children	4
Children	9
Domestics	0
Total	1,143
Nationalities—	
British	968
Foreign	175
Percentage British	84.8

CANADIAN WOMEN'S HOSTEL

Number of domestics who passed through the Canadian Women's Hostel, 90 Isabella Street, Toronto, 1931-1932:

Total Registrations	83
New arrivals	34
Transfers-in	41
Immigrants returning	8
Meals served	13,170
Beds supplied	5,301
Letters received	5,613

SALVATION ARMY

Summary of arrivals in the Province of Ontario:

Boys placed on farms	32
Farmers	11
Domestics	2
Others un-classified	64
	109

Cost of operating Reception Lodges and aftercare:

Moonside Lodge, Smiths Falls	$1,983.16
Woodside Lodge, 480 Jarvis Street, Toronto	4,162.41
Burnside Lodge, Woodstock	5,495.83
Clinton House, Toronto	2,941.62
Total	$14,583.02

VIMY RIDGE FARM

Expenditure subsequent to transfer of Vimy Ridge Boys to Board of Home Missions, October 1st, 1931, and incurred during the fiscal year 1931-1932:

EXPENDITURE

Doctors and hospital accounts, coal, necessary food supplies and miscellaneous expenses	$2,953.16
First quarterly payment to Board of Home Missions for aftercare of 486 boys at $17.50 per annum per boy from October 1st, 1931, to January 1st, 1932	2,126.25
Second quarter due January 1st to April 1st, 1932	2,126.25
Third quarter due April 1st to July 1st, 1932	2,126.25
Fourth quarter due July 1st to October 1st, 1932	2,126.25
	$11,458.16

November 4th, 1931, moneys transferred to Board of Home Missions, representing the accounts of the 486 Boys	$20,528.75
Amounts collected re wages due Vimy Ridge Boys to date of transfer, October 1st, 1931	2,627.68
Balance due Vimy Ridge Boys uncollected to date	1,672.36

RECEIPTS

Department of Immigration, Ottawa

Difference in actual cost of transportation on 26 boys, 1931, paid April 5th, 1932	$122 56
Grant of $10.00 per boy for 24 boys paid June 1st, 1932	240 00

W. C. Noxon, Agent-General, London, England

Payment on 24 boys at £4 per boy for year, April 1931-1932. Paid December 22nd, 1932	467.20
	$829.76

Expenditure	$11,458.16
Revenue	829.76

BRITISH WELCOME LEAGUE

Actual cost to the Department of Immigration and Colonization for the maintenance of needy persons directed to the above-named hostel during the year 1931-1932, $211.50.

Number of railway certificates issued to prospective settlers proceeding to Northern Ontario:

	Issued	Cancelled	Adults	Children
Canadian National Railways	292	24	337	43
Canadian Pacific Railways	26	3	34	15
	318	27	371	58

The above figures do not include families settled under the Relief Land Settlement Scheme; nor large numbers locating land by means of automobile transportation over the Ferguson Highway.

The increase in the number of settlers locating on the land in Northern Ontario is indicated by a special demand for the services of our Land Guides, and an overdraft of our appropriation of $1,000 for that purpose for the year 1932.

Amounts collected from immigrants in repayment of assisted passages and rail fares, $80.10.

In addition to the general activities and routine of office work, owing to economic conditions many people have been directed to this office by city officials and representatives of other organizations. Special attention was given these men, and an earnest effort was made at all times to find them employment. Although there was a decreased demand for farm labour, and many farmers succeeded in obtaining help locally, we placed in all 1,143 men during the year.

In an effort to re-establish themselves, rather than accept relief, larger numbers of people were prompted to call at this office and seek information with respect to homesteads, and the possible chance of their return to the land in some capacity or other.

There has also been extensive correspondence and numerous enquiries, as well as visits from people in Ontario and other parts, with reference to our agricultural possibilities.

The distribution of thousands of Ontario booklets which we obtained through the courtesy of other Departments, and the disposition of general information was to a considerable extent our medium of publicity.

First and Second Homes in New Land

AGRICULTURAL DEVELOPMENT BOARD

The following table shows the new business of the year added to the previous years since inception:

Year	Number of applications passed	Amount of loans passed	Value of security	Number of loans paid out	Amount
1922......	458	$2,040,605 00	$4,693,403 00	334	$1,188,000 00
1923.......	953	3,729,350 00	8,685,166 00	776	3,000,000 00
1924......	990	3,582,150 00	7,871,026 25	819	3,200,000 00
1925......	892	3,246,680 00	7,197,300 00	701	2,700,000 00
1926......	1,119	4,028,300 00	9,089,008 57	831	3,200,000 00
1927......	1,275	5,043,995 00	11,298,263 50	1,001	4,100,000 00
1928......	1,567	5,670,025 00	13,903,576 17	1,132	5,000,000 00
1929......	1,757	6,803,393 00	14,797,660 20	1,397	5,800,000 00
1930......	2,764	8,969,225 00	20,293,918 24	1,887	7,000,000 00
1931......	3,361	9,701,420 00	21,913,130 45	2,329	7,900,000 00
1932.......	4,157	10,861,975 00	25,296,724 48	2,647	8,500,000 00
Total...	....	$63,677,118 00	$145,039,176 86	13,854	$51,588,000 00

As will be noted the year has made a further increase on the services of this Board but this increase has not been as great as might have been expected in view of prevailing economic conditions. The Board was called upon to deal with 5,035 formal applications. In 4,157 cases loans were granted and in 878 cases loans were declined. In all cases granted the amount was not the full amount asked for and as a consequence in some cases loans were not completed. There was, however, an increase of $600,000.00 in the amount paid out. At the same time, it is important to note that the size of the individual loan is decreasing. The decrease was about 10 per cent. as compared to the previous year and about one-third as compared to four years ago. This trend is also important in another respect. Nearly one-half of the loans outstanding have been made in the past three years on a gradual but substantial decline of valuation. The loans made in earlier years were naturally on a basis of the higher values prevailing at the time. These are now not only the lesser part of the total outstanding but many of these cases have already been reduced or otherwise adjusted.

Financial statements, printed separately, give many details of the business of the year. Against new debentures of $8,500,000.00 there have been repayments of debentures to the extent of $1,200,000.00, leaving a net increase for the year of $7,300,000.00 or total debentures outstanding of $43,700,000.00 secured by mortgages. The Board also paid the Provincial Treasurer $1,606,966.11, being the full amount of interest due on debentures and $237,323.53 to defray the administrative expenses of the Board and $2,938.19 toward the superannuation fund. These statements also show that after providing $113,195.00 for loss on farms and payment of taxes the net income for the year stands at $110,015.32. This brings the total surplus up to $758,977.39.

As a result of sale proceedings or quit-claim deeds, seventy-eight farms were turned over to the Board during the year. The number of farms sold was eighty-eight, or slightly more than taken over. The amount of loss taken and written off has already been noted and is not greater than prevailing conditions would suggest. It is not pretended that there was a substantial cash payment on all farms sold. There was a good payment on many but the aim of the Board has been to have properties maintained and operated in a satisfactory manner and where a sale is not immediately possible, arrangements are usually made to have the farm operated under lease. It is gratifying to say that very few farms remained idle during the year.

Prevailing agricultural conditions naturally vitally affect the operations of this Board. The year under review witnessed new low prices for farm commodities and consequently a new "peak" to the depression. Whether this is the final "peak" remains to be seen. In the meantime farmers have carried on under greater difficulties than ever previously experienced and this Board is called upon to carry very heavy arrears. At the same time our admiration goes to those who have met their obligations under these trying conditions, to the thousands of farmers who have made payments in full or in part. At the same time heavy burdens of debt have been accumulated by many and these can only be met with patience, courage and vigilance. From our standpoint we realize that behind the financial problem is the human problem, behind each mortgage a family. Each must be dealt with on its own merits. Where an honest effort is being made with any reasonable chance of success, there will be no lack of patience on our part. Where these conditions do not exist, a fresh start must be made. In nearly all cases where sale proceedings are taken there is mutual agreement as to the course taken and in only a few is there dissent on the part of the mortgagor.

Let me add that a recognition of the seriousness of the present economic situation does not involve or imply lack of faith in the soundness of the assets held by this Board as security for the money advanced. In the face of low prices and shrinkages of values there still come to us many evidences of the basic soundness of Ontario farm lands. Unless what is generally regarded as an economic cycle becomes actually an economic revolution, the future will vindicate this reasonable faith.

SHORT-TERM LOAN ASSOCIATIONS

It will not be surprising to note that there is an increased demand for the services of these associations which are still functioning. The total outstanding is now $192,972.00, an increase of a little over $20,000 in spite of the repayment of approximately $12,000 of principal. About 65 per cent. of the interest due was paid.

THE NEW LISKEARD DEMONSTRATION FARM

Fields dried off on the surface very rapidly and seeding commenced at much the same time this year as last. Fields, however, worked up much more readily and seed was put in on the frost which is very unusual for this part of the north country. Seed beds were possibly worked up with the minimum of labour.

A lack of rainfall until after the middle of June retarded germination and growth to some extent more particularly on high land. The low-lying areas retained moisture better and both germination and growth were satisfactory excepting in the case of roots and vegetables where germination was very tardy.

After the middle of June a rainy season commenced which lasted more or less throughout the entire summer.

Weather conditions during the harvesting of the annual hay crop although showery, permitted a lot of very good hay to be made but unfortunately the crop was much below the average in yield. All grain crops throughout the district were up to the average in stand but wet weather did not permit them being harvested to the best advantage.

Wet weather and late blight caused possibly the most serious loss in the annual potato crop ever experienced in the district. Late blight was the major factor in this loss and forcibly demonstrates the necessity for the use of Bordeaux mixture as a control measure. This disease heretofore has not been a serious matter in potato production, but must now be recognized as something to be reckoned with if the annual potato crop is to come up to the average for previous years.

SEASONAL NOTES, 1932

Fields clear of snow	April 11th
First work on land	May 9th
First seeding (cereals)	May 9th
First cutting Fall Wheat	Aug. 11th
First cutting cereals	Aug. 15th
Seeding winter wheat	Sept. 2nd

PRECIPITATION

Total precipitation for year—November 1, 1931, to October 31, 1932	25.62 inches
Average total precipitation for last five years	31.52 inches
Total precipitation for 7 months ending October 31, 1932	23.81 inches
Month having greatest precipitation—August	8.81 inches

TEMPERATURE

Highest temperature during year	89 degrees in June and August
Lowest temperature during year	34 degrees below zero on the 9th of February
First Last Spring frost—May 23rd	2 degrees
First Fall frost—September 17th	2 degrees

SUNSHINE

Days of bright sunshine	259 days
Total number of hours bright sunshine	1,545.0
Average number of hours sunshine per day for year	4.23

ANIMAL HUSBANDRY

The necessity for retrenchment induced the farm to dispose of its herd of Shorthorns early in January. The Holstein herd has been retained.

This herd, with practically the same average age, average butter fat test and average milking period gave an average individual increase of 1,323.2 pounds of milk in the present year as compared with 1931.

The Farm, therefore, is justly proud of the performance of the dairy herd, especially when it is kept in mind that only average feeding methods are adopted. No forced feeding is done. Good clover hay, clover silage, some roots in the fall, along with a home-grown mixture, plus some bran and a little ground flax made up the feeding ration.

The foregoing result brings out also this point, namely, that proven blood lines are decisive factors in choosing a herd sire. Many of the heifers now in production are from "Springbank Snow Majesty," a bull that had wonderful backing.

SHEEP

Early in the new year it was considered advisable to reduce the size of the sheep flock and only twelve ewes and six shearlings were kept over for fall breeding. The same rigid methods are followed in keeping up the standard of the flock, namely, docking, drenching, weighing, culling and a general check-up on breeding records.

The distribution of pure bred rams and the sponsoring of club work are two important things in connection with the sheep work of the Farm.

HOGS

Owing to low hog prices and consequent less interest in hog raising there has been less demand for pure bred breeding stock. The Farm maintains an average of three brood sows along with a pure bred boar. The boar in use at the present time is "Oak Lodge Famous" 424, No. 133978.

POULTRY

A flock of Barred Plymouth Rocks is maintained for demonstration purposes only and this work is directed particularly to the development of satisfactory feeding rations from home-grown grains. Good results are being obtained.

The poultry industry in the north has been a rather bright spot in the marketing of farm produce. The supply is still far short of demand and the farm is helping the community to solve its poultry troubles so that it may take full advantage of this profitable market.

FIELD HUSBANDRY

Reference has already been made to an unusually wet summer and a wet harvest all of which reduced grain crops materially. Crops grew and matured well but shelled quite severely in handling because of being overripe.

The following table gives results from wheat, oats, barley and peas under field conditions:

Variety	Number Acres	Seeded	Yield per Acre (Bushels)
Spring Wheat (Reward)	4¼	May 9th	14.1 bus.
Fall Wheat	20	Aug. 21st	15 "
Oats (Alaska)	60	May 14th to 16th	36.6 "
Barley (O.A.C. No. 21)	20	May 16th to 17th	34 "
Peas (Chancellor)	10	May 10th	25 "

SILAGE

First cut red clover was again used as an annual silage crop with excellent results.

In 1930 the Farm put up a stack of green feed consisting of part of a field of oats, peas and vetch and part of a field of clover and some barley, that could not be harvested because of the growth of clover being so rank. The idea of this experiment was to test out the feasibility of putting together a bulk of green feed in a wet year that might not be saved in any other way. A horse was used to tramp the stack down hard to exclude the air.

The Farm did not require this stack, therefore it was left standing and at this date, namely, December 14th, 1932, it is being removed by one of the local dairymen and fed to his dairy herd.

This small experiment would seem to demonstrate the feasibility of putting together a bulk of green feed any year that it cannot possibly be saved in any other way.

FALL OR WINTER WHEAT

The Farm experienced its first failure in the production of fall wheat in five years' time. This failure was in part due to lack of proper drainage but mainly caused by the fact of there being a very light snowfall during the winter and considerable rain during the winter months resulted in too much freezing and thawing.

Dawson's Golden Chaff, the variety used every year thus far, is still recommended as being superior to other varieties.

ROOTS AND VEGETABLES

A very limited amount of work was done this year with roots and vegetables because of a lack of help to properly carry on the work.

A field of Swede turnips for stock feeding gave very satisfactory results although the seed lay in the ground for from two to three weeks before germinating. This was in the month of June and during a very dry period.

The successful production of roots and vegetables is no longer an experiment in the north country and it is just a matter of selecting varieties suitable to climatic conditions. Such a list was included in last year's report.

HORTICULTURE

The Farm has never as yet gone very extensively into any particular line of horticultural endeavour but merely carried on a small amount of work with strawberries, raspberries, small bush fruits, a few apples and plums, sufficient to demonstrate the feasibility of a farmer having some of these things for his own use. The commercial production of strawberries and raspberries is quite possible, in fact, it is recommended that more farmers use these small fruits as a cash crop.

A farmer in the district recently stated that he had made more money off his farm during 1932 than ever before. He attributed this success to the sale of small fruits.

SUMMARY

The function of the Farm, namely, to demonstrate the feasibility of the maintenance and production of those lines of agricultural activity suitable to the area in which it is located has, it is felt, been again realized especially when it is kept in mind that all agricultural activity at the present time is working under adverse conditions.

The important factors in the successful operation of a farm in the north as elsewhere is, it is believed, a realization of the geographical location of the Farm which always determines the limitations to which one can go in a selection of farming activities or a programme for development.

The Demonstration Farm very forcibly brought out the fact this year, that early maturing varieties of farm crops even though yields may not be equal to some of the later maturing varieties are more particularly adapted to the carrying out of a successful farm programme than later maturing varieties.

The Farm has gone exclusively in for the production of Alaska oats, believing it to be a variety well suited to the north country. Reward Wheat as a spring wheat is being tested out from year to year and while yields have not been as great as anticipated the quality of the grain produced has been satisfactory.

Reference has already been made in this report to the use of home-grown or home-produced feeds for live-stock work in order to do away with the necessity for the purchase of imported feeds. It is realized there may be a limit to the extent to which this can be practiced; nevertheless, it is the aim and object of the Farm to demonstrate in so far as possibly can be done the greatest use of home-grown products for live-stock maintenance and production.

The Farm is attempting to demonstrate what is realized to be a necessity at the present time, namely, to be self-sustaining in so far as the production of live-stock feeds and good seed grain are concerned. In other words, a farmer to-day cannot realize prices for farm produce sufficient to warrant an expenditure of ready cash for what can be produced at home.

RIDGETOWN EXPERIMENTAL FARM

Crops throughout Southwestern Ontario were, with the exception of oats, satisfactory. Oats yielded low and were inferior in quality. Seed oats will be in demand in 1933. Wheat was an excellent crop. The acreage of beans was noticeably reduced but the yield better than in 1931; many crops are picking heavily. Corn approached an average yield but often included a small percentage of low-grade ears. An abundant crop of hay was harvested. Burley tobacco was a good crop. The acreage was normal.

Low prices for farm products of all kinds is causing much thought re farming methods. The large returns from cash crops during 1926 to 1929 caused many to change from a live-stock basis to a cash-crop basis. The experience of the past three years indicate that a system based on live stock and ordinary crops with a production of cash crops according to farm acreage and available labour is the safer and better plan to follow. The change from a live-stock basis to one of cash crops, however, is much easier to arrange than is the reverse.

Some sections of Southwestern Ontario feed steers and, of late, have very largely depended upon Western Canada for the supply. This is a cash outlay. A system whereby a larger part of these could be raised at home would be of definite advantage. Under such a scheme, the farms would have general-purpose cows of beef type, skim milk for the pigs and chickens and a cream check, though perhaps small, every week.

CROPS ON EXPERIMENTAL FARM

Wheat	1,200	bushels	from	30 acres
Oats	1,095	"	"	25 "
Barley	500	"	"	15 "
Corn	900	"	"	10½ "
Beans—not threshed	...			22 "
Soy Beans—not threshed	...			4 "

Five acres of corn was put into the silo.

GROWING SEASON

Rainfall during the growing season was unusual. The total was sufficient but the distribution left something to be desired.

The August rainfall came in a series of small showers and did not give the results that would have come from two or three larger showers.

STEERS

Twenty western steers costing $907.89 were fed grain, hay and silage valued at $228.90. They realized in April $1,193.00, thus showing net profit of $56.21 after allowing nothing for roughage or labour.

SWINE

Ten brood sows were kept and 166 pigs were raised during the year—two litters each.

All that are suitable are sold for breeding purposes when they reach 200 lbs. live weight. In this way, very few unsatisfactory sows are distributed.

The bacon type of pig is gradually becoming more popular, but, because of the ability of the thick, smooth type to thrive under methods which have been used for many years and under which the bacon hog does not do so well, the development can only progress satisfactorily as our methods of handling change to meet conditions.

Owing to the system of rotating pastures and the use of the colony house, no trouble has been encountered with parasites.

POULTRY

Fifteen thousand eggs from Plymouth Rock fowls, whose ancestors have been trapnested and systematically culled to obtain vigour and 200 or better 23½ oz. egg production, were distributed at moderate prices to farmers and poultrymen. The demand for selected cockerels equalled our supply.

The Farm answered many inquiries regarding feeding, general management and disease. It is apparent that losses due to ill health of poultry, especially those caused by intestinal parasites, are becoming increasingly significant to poultry owners. The many post-mortems made of diseased birds from local flocks invariably disclosed the presence of intestinal worms. The condition can be traced to lack of sanitation, especially in the rearing of young chicks which are usually allowed to range over land that was used the preceding year by fowls. Removal of chicks to non-infested land, treatment by tobacco dust in the mash or by the lye and grain mixture plus an increase in the milk ration have proven fairly successful. In badly infested flocks, the use of commercial worm capsules has been effective.

HORTICULTURE

Increased interest in the various branches of this work is very noticeable, particularly in home-ground improvement. Many home owners request personal visits for advice as to laying out grounds. Illustrated lectures have fostered this interest and will be continued.

The season, with the exception of a dry period in June, has been a very favourable one for growth of horticultural products.

Northern Spies and Veteran Peaches produced excellent profitable crops at the Farm.

Mr. D. R. Sands of the Botany Department, Ontario Agricultural College, made the Farm his headquarters for part of the summer.

Some bean, potato and celery work was carried on co-operatively. Mr. Sands undertook the disease work in connection with the experiments.

BEANS

Three strains of Robust Beans that had been grown at the Farm for a number of years were again sown this year. The purpose of the experiment was to see the effect of roguing for mosaic and hand picking for anthracnose. The beans were from 1931 crop and were hand picked during the winter months for anthracnose.

Plots were sown from June 2nd and during the growing season were rogued twice for mosaic July 13th and August 1st. Size of plots, 1/10 acre (6 rows in each and about 20 rods long). Results:

Ithaca strain	17 mosaic plants	
Michigan strain	9 " "	
Wisconsin strain	5 " "	(slight)

Examination for anthracnose just before pulling showed percentage pods affected as follows:

Ithaca strain	2.7%
Michigan strain	1.5%
Wisconsin strain	1.8%

POTATOES

Three plots of Dooley potatoes were planted on June 14th, the purpose being to determine the benefit from spraying or dusting, and which gives the better returns. Spraying and dusting were started when plants were about 8 inches high. One plot was sprayed with Bordeaux mixture (4-8-4), adding a poison when necessary. Another plot was dusted with Copodust, using Copotex when necessary, and the third plot was for a check—spraying or dusting except to control insects and then calcium arsenate in water was used. (Half-acre plots with rows thirty inches wide.) Results are shown in the following table:

Cost per Acre of Treatment	Yield in Bushels per Acre	
	Marketable	Small
Plot 1—Spraying, $8.85	315.22	18.34
Plot 2—Dusting, $13.30	322.54	16.15
Plot 3—Check Spraying, $1.85	247.84	22.26

CELERY

Experiment to show relative value of spraying and dusting:

Cost of Treatment per Acre	Average Weight of Plants	
	Roots trimmed off	Plants ready for market
Plot 1—Check—Nil	1.5 lbs.	1.0 lb.
Plot 2—Spraying—$11.55	2.6 "	1.6 "
Plot 2—Dusting—$17.15	2.6 "	1.7 "

Results: No late blight (*Septoria apii*) developed in any of the plots but early blight (*Cercospora apii*) developed to some extent (only a slight amount) in both the sprayed and dusted plots and became very severe in the check plot, causing the plants to be much stunted.

The plants in check when trimmed for market were not saleable owing to blighted conditions of leaves.

COST OF PORK PRODUCTION

Fifty-three pigs weighing 5,444 pounds were placed on a cost-of-pork production test on December 15th, 1931. There were seven Berkshires and forty-six Yorkshires. The following amounts of food were used:

Oats	9,188 lbs. at	.25 per bushel	$67.56
Corn	3,866 “	.40 per bushel	27.61
Barley	426 “	1c per lb.	4.26
Beans	2,025 “	1c per lb.	20.25
Wheat	386 “	1c per lb.	3.86
Buttermilk	12,300 “	15c per cwt.	18.45
Tankage	60 “	3c per lb.	1.80
Mineral	272 “	1c per lb.	2.72
Roots	150 bu. at	10c per bushel	15.00
			$161.51

The sale weight was 10,333 pounds, giving a gain of 4,889 pounds. Cost per 100 pounds gain, $3.30. Full market price was charged for all feed used. The pigs were sold at prices of $3.75 per hundredweight or over.

SUGAR BEETS—THINNING EXPERIMENT—1932

Distance of Thinning	Yield per Acre		Sugar	Purity
	Tons	Lbs.	Per Cent.	Per Cent.
9 inches apart	15	866	16.0	90.0
12 inches apart	16	573	15.8	85.5
15 inches apart	16	659	15.4	89.8
18 inches apart	14	1,059	15.3	87.0
21 inches apart	14	801	15.1	88.0

EXPERIMENT UPON EARLY POTATOES

Using Increasing Quantities of 2-12-6

1932

Rate of application per acre	Yield per acre Bags	Increase over check per acre Bags	Value of Yield per acre	Value of increase over check per acre	Cost of Fertilizer
200 lbs.	97.7	11.1	$48.85	$5.55	$3.18
300 lbs.	97.7	11.1	48.85	5.55	4.77
400 lbs.	97.7	11.1	48.85	5.55	6.36
500 lbs.	101.1	14.5	50.55	7.25	7.95
600 lbs.	107.7	21.1	53.85	10.55	9.54
No fertilizer	86.6	....	43.30	....	....

EARLY POTATOES—1932

TO ASCERTAIN ACTION OF POTASH ON YIELD

RATE OF APPLICATION—600 LBS. PER ACRE

Fertilizer Analysis	Yield per acre Bags	Increase over check per acre Bags	Value of Yield per acre	Value of increase over check per acre	Cost of Fertilizer
2-12-4	93.3	6.7	$46.65	$3.35	$9.06
2-12-6	94.4	7.8	47.20	3.90	9.54
2-12-8	103.3	16.7	51.65	8.35	10.02
2-12-10	113.3	26.7	56.65	13.35	10.47
No fertilizer	86.6	....	43.30	....	....

SUGAR BEETS—1932

2-12-6 FERTILIZER APPLIED AT DIFFERENT RATES OF APPLICATION

Rate of application per acre Lbs.	Yield per acre Tons	Lbs.	Sugar %	Purity %	Value of yield per acre	Value of yield per acre after deducting cost of fertilizer
100	15	299	16.0	89.2	$75.74	$64.15
200	17	691	15.1	88.9	86.72	83.54
300	15	1,677	14.6	87.5	79.19	74.42
400	17	1,776	15.0	88.1	89.44	83.08
500	16	1,800	15.6	88.8	84.50	76.55
600	18	1,381	14.3	88.1	93.45	83.91
700	17	396	15.1	88.1	85.99	74.86
800	17	121	15.1	86.4	85.30	71.58

SUGAR BEETS—1932

TO ASCERTAIN VALUE OF PHOSPHORIC ACID ON YIELD

RATE OF APPLICATION—400 LBS. PER ACRE

Fertilizer Analysis	Yield per acre Tons	Lbs.	Sugar %	Purity %	Value of yield per acre	Value of yield per acre after deducting cost of fertilizer
2-12-6	18	261	15.2	89.7	$90.65	$84.29
2-16-6	20	319	15.3	90.0	100.79	93.85
2-20-6	20	290	15.3	90.3	100.72	92.98
No fertilizer	16	1,417	15.5	89.8	83.54	83.54

EXTENSION

All of the experimental work previously carried on with sugar beets, late or factory cabbage, and beans upon farms throughout the district was temporarily discontinued.

Extension activity of all kinds was less during the year. However, all demands for meetings and similar activities were met.

The Ontario Yorkshire Association held their annual field day at the Farm and Agricultural School. Addresses were given and demonstrations were held. A sale of pure bred sows and boars was arranged. Six hundred attended.

The London Jersey Club again held their annual field day at the School and Farm. Addresses and judging demonstrations were given. One hundred and twenty-five attended.

The Junior Farmers of the county held their annual field days (2) at the Farm and School.

Picnic lunches were served by the Farm in every case.

The accommodation, which we are able to provide, makes this centre a very convenient place for such activities. The opportunity also afforded many to familiarize themselves with what is being done at the Farm and the School.

The usual assistance has been rendered the Agricultural Vocational School. More and more is this type of education being appreciated and a greater effort is now being put forth to improve the course so that it may more nearly meet the requirements of boys and girls remaining in the community.

THE HEARST DEMONSTRATION FARM

The Hearst Demonstration Farm is located immediately west of the Town of Hearst, 607 miles north and west of Toronto, 647 miles east of Winnipeg and less than 200 miles south and west of Moosonee. For many miles in every direction, north, south, east and west it is bounded by extensive areas of new and fertile land. Some of this has been brought under cultivation. Some portions are in the process of clearing and still larger areas are covered with virgin forests. This farm is favourably situated to be of real service to the settlers who are endeavouring to establish themselves in a new home in a pioneer country. Many visit the Farm to see the different crops that can be grown, the results that may be expected from the various kinds of live stock and the methods employed in their feeding and care. In fact, in many respects the Farm may be considered as the centre of the agricultural activity of the surrounding district.

The year 1931-32 has been favourable to the operation of the Farm and much useful work has developed.

Experience demonstrates the advisability of settlers making every effort to complete ploughing operations in the late summer and fall so that the earliest possible opportunity may be taken in the spring to complete operations with the least possible delay. The advisability is also demonstrated of using early maturing varieties of grain, such as Reward and Garnet Wheat, Alaska Oats, O.A.C. No. 21 Barley and Chancellor Field Peas. All these grains have been successfully grown this year.

Much successful work has been done in the development of fodder crops. Mixtures have been developed particularly suited to the district for the production of hay; and Alaska oats, sown as late as June 17th and cut on August 22nd, has given a satisfactory yield of green feed. Peas have also been demonstrated as suitable for this purpose and for the provision of winter fodder.

In order that the most may be made of the short-growing season, demonstration has been made of the advisability of thorough surface drainage.

The farm is well equipped with stock, the surplus of which is available for sale to local settlers and the herd sires are also made available at nominal fees. Special effort has been made during the past year in indicating the suitable sheep, swine and poultry to this district.

A power cleaning mill is operated where locally produced grain is cleaned and made suitable for seed. Many farmers also bring their grain to be ground for their pigs, poultry and other live stock. Foundation stock, seed grain and seed potatoes are supplied at reasonable prices.

PROVINCIAL ZOOLOGIST

During the year under review twenty-eight lecture-demonstrations were held at the request of stockmen on farms where trouble was being experienced. At these meetings, autopsies were held, explanations were given and also a general lecture on animal hygiene and parasite control.

Thirty-nine field investigations were made on the request of veterinary surgeons, owners of stock and Agricultural Representatives. These field investigations related to some branch of animal parasitism, losses of stock or unthrift in farm animals.

Lectures were given at twenty agricultural short courses, covering animal hygiene, parasite control in all farm animals and unsoundness in horses. These constituted a total of eighty lecture hours.

Extensive exhibits dealing with animal parasites and animal hygiene were staged and attended at three large exhibitions, the Royal Winter Fair, the C.N.E., and the Western Fair, twelve township and county fairs and twenty-nine School Fairs. Nine plowing matches were also attended with exhibits, making a total of fifty-three set-ups at gatherings of farm-stock owners. Much interest was shown in these exhibits, particularly those at the smaller fairs and plowing matches.

A number of large gatherings of business and professional men were addressed in the city, and various committee meetings on animal health were attended.

Barrie Island Warble Project. This work was started in March, 1932, to continue for a period of three years. An attempt is being made as a demonstration to remove the warble fly pest from the Township of Barrie Island. The results gained from the work already done has been highly satisfactory. In addition to the Barrie Island Warble Project, some sixty-three herds of cattle totalling about 2,000 head, in Guelph Township, were also treated to destroy warble grubs. This was undertaken as a special study for one year.

A check-up to determine the prevalence of parasitism in swine and sheep was made by examining slaughtered sheep and swine in the abattoirs of Western Ontario during the first week of May. Some improvement was noted over the previous two years. This year's check-up on 3,000 pigs slaughtered showed for both round worm and lung worm, a ratio of about one infested pig in each six examined. The degree of infestation was much lighter than in former years. Butchers operating small country abattoirs report less parasitism during the year in animals slaughtered by them.

The sheep flocks of Barrie Island, some twenty-six in number, were all examined for parasitic infestation and all were treated during the month of June. This work is to be continued by the local people, and checked up by this Branch as need be, until the sheep on this island are free of pests.

Demonstrations in internal parasite control were given at a number of sheep-dipping gatherings in Western Ontario, the work of drenching and dipping being done on the same day.

The swine located on seven farms and entered for sale under the auspices of the Live Stock Branch were given protection against hemorrhagic septicemia, and also examined for various forms of parasitism before being passed.

A news item service has been maintained throughout the year, whereby a seasonable paragraph on animal parasite control or related work appears weekly in the Wilson Publishing Company's list of rural weekly papers, about 175 in number, giving a very large total circulation in rural homes.

Miscellaneous routine laboratory work consisting of examination and autopsy of animals sent in, the examination of fecal material and tissue for evidence of parasitism in the flocks and herds from which it came, the mounting of specimens for laboratory and exhibition purposes, the making of charts for lecture illustration, the preparing of exhibits and photography as needed by this Branch and the Veterinary College.

The correspondence relating to parasite control work has been heavy during the year. The available bulletins and posters have aided in this work.

ONTARIO MARKETING BOARD

Different economic authorities declared that "Canada's welfare depends on her ability to sell." The same applies to Ontario with regard to her agricultural products—the ability of Ontario farmers to sell their products under present difficult conditions. The function of the Ontario Marketing Board is to assist Ontario farmers to plan and organize their marketing. The measure of its success will be judged by its ability to suggest useful ways and means to this end.

EXPORT MARKETING

The importance of export markets to Ontario agriculture is hard to estimate. They have to be relied upon in times of unmarketable surpluses for many products and should not be neglected during intervening periods. In the opinion of the Board instead of regarding them as the last resort of desperation there is no reason, if they are studied and developed in a businesslike way, why they should not be developed into a steady, profitable outlet for many lines. The preferential tariff arrangements resulting from the Empire Conference at Ottawa accentuates this opportunity even if present adverse exchange seems, for the time, to offset the advantage.

The main secret of turning unprofitable export markets into profitable ones consists in intelligent handling and the marketing of the product through some distinctive demand developed through a proper appreciation of its merits. Blind consignment shipping to the bulk markets of the world seldom pays but distinctive demand created for a high-quality product provides wide opportunities for almost unlimited supplies at good prices.

An outstanding demonstration of what can be done was given during the 1931-32 season in the quite satisfactory prices obtained on the British market for Ontario apples in spite of quite marked unfavourable conditions, including the lower values received on account of depreciated exchange.

Considerable study on British markets was made by the Chairman of the Board during the past year with a view to ascertaining if similar methods could be adopted to advantage with regard to other agricultural commodities.

Certain experimental work had already been undertaken by the Ontario Marketing Board and a great many enquiries instituted. It was hoped that as a result of this enquiry definite recommendations could be made leading up to the agricultural prosperity of the Province.

Space will not permit a detailed statement of conclusions arrived at or the existing possibilities of increasing trade in particular lines of agricultural production both in Great Britain and on the Continent. A full report giving this information is available to interested parties.

HONEY MARKETING

The investigation made last year at the request of the Ontario Honey Producers' Co-operative Limited into the export marketing difficulties of the honey industry has resulted in recommendations being adopted which have very considerably bettered the situation.

There seems to be an unlimited market there for our honey sold as a distinctive product uniformly blended and bottled under an Ontario brand. A Honey Export Association, representing the entire industry, was organized by the producers who have established a Honey Commercial Representative in Great Britain to sell direct all bulk supplies and to supervise and promote the sale of bottled honey. The results of his efforts have been very satisfactory, proving an export outlet at good prices and materially improving the situation on domestic markets. It now appears that conditions of large unsold supplies and disastrous prices need never recur and that Ontario honey production can expand largely and profitably.

The Ontario Honey Export Association is co-operating with other provincial honey organizations in connection with export work. The importance of establishing grades for export and inspection before shipment from Canada has long been recognized but unanimity was not obtainable. A request has been made to Ottawa by the Export Association and it is believed that both the setting up of grades and some form of compulsory export regulations for honey will be obtained shortly.

IMPERIAL ECONOMIC CONFERENCE, 1932

The conclusion of agreements between Great Britain and her Dominions during 1932 mark a turning point in the trend of Empire trade of the utmost importance. Canada's part in the Ottawa Conference was outstanding. Many favourable opportunities for export of Ontario agricultural produce have resulted notably in fruit, dairy products, tobacco, bacon and canned goods. The Ontario Marketing Board rendered assistance to various groups in the preparation of briefs presented to the Government setting forth their cases for preferential tariff.

TOBACCO MARKETING

The tobacco industry of the Province has continued to expand and its main problem at the present time is that of satisfactorily providing an export outlet for its surplus production over and above requirements for domestic use. Investigation and enquiry has been made by the Ontario Marketing Board which is actively co-operating with the Federal Tobacco Division and the growers themselves in an effort to evolve changes in the marketing system that will enable the industry to take full advantage of rapidly expanding export opportunities in British markets. Canadian tobacco enjoys a material preference in British markets over foreign-produced tobacco and British manufacturers have taken kindly to our cigarette tobacco, exports of the 1932 crop being nearly twice that of the previous year. To take advantage profitably of this opportunity requires changes in methods that are quite radical in order to attract competitive buying. At the moment a Royal Commission from the Department of Labour, Ottawa, is enquiring into trade practices in this regard and various plans of organization for marketing purposes are being considered by the growers.

FRUIT AND VEGETABLES

The year 1932 has been a disappointing year to the producers of fruits and vegetables in Ontario. Markets have been disorganized and prices most unsatisfactory from the growers' standpoint. Outstanding has been the need for efficient form of organization for marketing purposes and progress along these lines has been disappointing. Leamington and Essex districts have organization for central packing and marketing which is a bright spot of exception to the general condition. The export arrangement for apples through the Fruit Growers' Association, who maintain Mr. Fulton overseas as their Commercial Representative, is another exception, but on the whole our fruit and vegetable growers have been slow to organize or take advantage of the work of organizations striving to promote their interests. Signs are not lacking that bad conditions have stressed the need of improvement. Growers and jobbers and the fruit trade generally have come to realize better than ever before the need for united effort to influence conditions. Better relations between shippers, jobbers and growers are expected to be the outcome of a council now set up where a common understanding between these parties may be arrived at. The project of a Union Fruit and Produce Terminal for Toronto has been revived and efforts are being made to find a solution of the trucker problem, i.e., some way of accommodating the industry to include the services of this new method of transportation without disrupting it.

The activities of the Ontario Growers' Markets Council have been severely handicapped by conditions. A great deal has been accomplished by them in the way of extending Ontario's markets for fruits and vegetables in the Prairie Provinces, the Maritimes and Quebec. They have been of service to the growers in the matter of collective purchases of fertilizers and insecticides and innumerable other ways.

Their efforts in promoting organization has met with considerable success. It is hoped that progress will be more rapid during the coming year and that growers will give more interest and support to this their own organization and which has proved so useful to them.

EGG MARKETS

A study of egg-marketing conditions in the Province led the Board to believe that greatly improved conditions would result if the Federal Egg Grading Regulations of 1929 were applied in Ontario, and enforcement of these regulations made possible by provincial enabling legislation. Western eggs had been selling in Ontario markets at higher prices than our home production. The Board therefore recommended the adoption by Ontario of these regulations and this was followed by action on the part of the Government and the situation is reversed, egg producers now enjoying the advantage of higher prices on local markets as compared with imported supplies. The change is proving most beneficial and Ontario's quality and pack of eggs is rapidly coming to be recognized as equal to that of other provinces. The next step is to compel recognition that Ontario pack and quality can be made superior to that of any other province.

MILK PRODUCTS REPORT

In an earlier portion of this study submitted last year the cheese situation was fully reported upon. It was stated then that the importance of increased cheese production in the milk products industry was hard to overestimate.

Cheese is the one dairy product of Ontario for which there is an almost unlimited export market at prices always higher in Great Britain than for any other cheese of the same type.

The effect of falling cheese production is perhaps the major cause of falling milk prices in Ontario. New transportation methods upsetting the former checks and balances regulating the destination of milk supplies have been a contributing cause.

The fall in returns from cheese factories has forced larger quantities of milk usually marketed through this product on to other milk markets which have hitherto been supplied from other sources. This has resulted in milk gluts and panic prices on all milk markets in the Province.

Butter prices have fallen in spite of the fact that Ontario is an import rather than an export market for this commodity. Prices for milk to processing plants have fallen out of all relation to the sales return for manufactured milk products which have dropped comparatively little in price. City milk prices have fallen disastrously, especially for farmers with special equipment and high-grade tubercular-free herds, and are now at a level where the product does not return its cost of production.

To make cheese-milk prices profitable is the major problem facing the Ontario dairy industry to-day and the Marketing Board feels as a result of its enquiries and experiments that this problem is entirely soluble. Investigations reveal, however, that new checks and balances should be evolved to direct and restore the proper distribution of all milk supplies for their various uses and achieve some stability of milk markets and prices. Existing milk surpluses are believed to be more apparent than real. A reorganization of production and distribution methods from the ground up would restore a degree of balance to the industry.

In the past the best progress towards solving dairy problems seems to have always been made through farmers' own organizations. These associations augmented farmers' bargaining power and maintained for them a large share of the control of the marketing of their products. In this way through their own associations the time was when Ontario farmers were a dominant factor in their own industry. But these times have changed. Up until about a year ago there was almost a total lack of true farmer organization in any effective way in Ontario so far as the dairy industry was concerned. It was practically impossible to get any opinion affecting farmers' interests that could be said to be representative of the farmers themselves.

Because of this situation in Ontario dairying the report of the Marketing Board unhesitatingly recommended as its first provision that all milk producers organize themselves into commodity associations, that is, to organize Cheese Patrons' Associations for suppliers of milk to cheese factories, City Milk Producers' Associations for cream shippers, and Manufactured Milk Patrons' Associations for shippers of milk to processing plants. Federation later into a Provincial Dairy Board or Council to represent all branches of the industry might be considered but only after preliminary organization had been completed and functioning properly.

Producers' and distributors' associations could then co-operate and meet on an even footing with the interests of the particular branch of the industry concerned. Producers need and should recognize the value of the services distributors and processors perform, but should assert themselves as to their rights in their own industry and be ready to assume such responsibility.

Considerable progress was made during the year towards organization of farmers, particularly among the city or whole-milk shippers and the cheese factory patrons in which the Marketing Board played a part in co-operation with the Dairy Branch.

BEAN MARKETING

At the suggestion of growers and other interested parties the Marketing Board gave assistance last spring to Western Ontario Bean Growers in their marketing problems.

After enquiry into the problems involved the Board suggested that growers through their Association co-operate with district dealers in an effort to bring about more orderly marketing and combat unreasonably low prices brought on through a disorganized buyers' market. For a time enthusiastic support of the idea was evidenced, but it broke down temporarily through the effort becoming too ambitious. All signs point to the effort being revived next winter or spring with all parties agreed as to its workability.

CONCLUSION

Reference is not made in the above to many activities initiated by the Marketing Board in 1931 and to which considerable attention and thought was given this year. These include potato and turnip marketing projects, petitions and briefs regarding freight rates, publicity and advertising, exhibitions, radio broadcasts and so forth. As the Secretary of the Board is Director of the Crops and Co-operation and Markets Branch which administers all such activities, duplication in personnel is avoided and a direct check maintained on marketing policy and programme.

THE LONDON, ENGLAND, OFFICE

The London Office of the Ontario Government continues to be the centre of much useful practical work on behalf of the Province of Ontario. Among the many offices in London representing Dominions, provinces or states in the British Empire, few are better known than the Ontario Office which is housed in an attractive building, worthy of this Province, built of Ontario stone with interior fittings and furnishing supplied by our own mines, quarries, forests and factories.

While the office is associated with the Department of Agriculture it should be pointed out that its work is one of general service to the Province and thus serves equally all Departments of the Government.

OFFICE CORRESPONDENCE

As indicating the general work of the London Office the following are the figures relating to correspondence and callers during the past year:

Number of inward letters	17,876
Number of outward letters including newsletters and reports	24,382
Number of callers personally interviewed	6,342

The letters received from correspondents are very varied, and range from requests for directions how to obtain birth certificates of persons born in Ontario to important transactions relating to sale of Ontario produce.

A great many of the requests for information received involve a good deal of trouble and sometimes research, but it always has been the policy of the London Office to give service to everyone, and no trouble is ever spared in satisfying those who apply.

Answers to Enquirers

The fact that over 6,000 individuals called during the last year and were granted interviews either by the Agent-General or by a member of his staff, draws attention to the very extensive personal contact established. These enquirers include journalists, people who have friends in Ontario, people who desire to do business with Ontario firms, and others who want information about agriculture, forestry, mining or a hundred-and-one different things about which information can only be obtained in such an office. There is kept up to date a considerable library of Ontario literature including all the Statutes of Ontario for many years past, as well as the annual reports of the different Ontario Government Departments. In fact there are many sources of information available to correspondents and callers in the London Office that can be obtained nowhere else outside of Canada.

VISITORS FROM ONTARIO

As mentioned in previous reports the London Office is being increasingly used by people from Ontario anxious to establish business connections in Great Britain. The intimate knowledge of local conditions, customs, values and business practices possessed by the Agent-General and his staff is of inestimable value to these people. Many timely services are also freely rendered people of our Province on pleasure visits to the Old Land.

SELLING ONTARIO APPLES

A very important service of the London Office is the work done there for Mr. Andrew Fulton, the representative of the Ontario Fruit Growers' Association. From the very first Mr. Fulton's good work has been facilitated by providing him in the London Office not only with office accommodation but also with an ever-increasing amount of office assistance. Of all this help Mr. Fulton has made many generous acknowledgments, and it is difficult to see how his work could have been carried on so successfully during the past few years if he had not had the organization of the London Office and staff to assist him. This assistance includes the services of skilled stenographers and the daily help of the office accountant and the Publicity Agent, to say nothing of mailing clerks and messengers, all of whose services have been requisitioned during the busy apple marketing season which lasts about six months. All the accounts in connection with the work are kept in the office. Also long weekly or fortnightly news letters embracing the latest market prices of Ontario fruit, as well as advice to growers and shippers, are compiled in the office and regularly mailed to many hundreds of Ontario apple growers and shippers.

SELLING ONTARIO HONEY

This is another branch of the work done in the London Office which looks as if it may develop into something important. Following visits from Mr. W. B. Somerset of the Ontario Marketing Board, Mr. George R. Paterson has made his

The Exhibition Hall on the Ground Floor of the Ontario Government Building,]
London, England

headquarters in the Ontario office, where he will carry out a marketing programme in connection with the sale of Ontario honey in Great Britain and on the continent. Needless to say, Mr. Paterson has been given the same facilities and assistance as Mr. Fulton. Naturally the work of keeping his accounts and correspondence is all done in the office, and entails considerable extra demands on the staff.

ONTARIO
PROVINCE ONTARIO CANADA

The Ontario Government Building, London, England

ADVERTISING ONTARIO'S MINING INDUSTRY

For many years the London Office has done a good deal of regular work of a practical nature in obtaining publicity for Ontario's mineral resources. Many hundreds of articles and paragraphs for the press have been sent out from the London Office, and these and other efforts have undoubtedly helped very considerably in making Ontario's mineral resources more widely known in the British Isles. All the reports and bulletins of the Ontario Department of Mines for many years past are kept on file in the London Office, and are constantly being consulted for the information of callers and correspondents. Many acknowledgments of the sustained efforts of the London Office in this work have been made by the Honourable Charles McCrea, Minister of Mines, and other prominent officials of the Mines Department. The great progress being made by the gold mines of Ontario has had a tendency to make the requests for mining information more frequent than usual.

PUBLICITY WORK

One of the main purposes of the Ontario Government Office is, of course, to make Ontario better known in Great Britain. Naturally, publicity work of various kinds is always regularly carried on from the office. One of the gratifying features of this work during the past year has been the continual growth of the circulation and influence of "The Ontario Bulletin." This little quarterly publication was first issued from the London Office in 1927, and on personal recommendation the circulation has now been built up to its present figure of 21,500. Of these 15,850 copies go to schoolmasters and teachers in 1,200 different schools. It would be impossible to exaggerate the amount of goodwill for Ontario which has been created by the circulation of this little journal. It goes not only to some of the most out-of-the-way schools in Great Britain including the Island of Iona, but also to such important public schools as Harrow, Charterhouse, Christ Hospital and Marlborough.

Constant use is also made of Ontario Government films which are always in request by schools and cinema houses throughout the country. During the past year increasing use has been made of lantern slides illustrating the resources of Ontario and the life of the people in our Province. These are supplied through the courtesy of the Ontario Motion Picture Bureau and we have more sets in use at the present time than has ever previously been the case in the history of the London Office. Many letters of thanks are received from schoolmasters and others who use the slides.

DIRECT SERVICES TO THE GOVERNMENT

During the past year a great deal of research has been carried out and enquiries made by the staff of the London Office on the subject of marketing. Statistics and reports compiled as a result of the information so obtained have been sent to the Department of Agriculture, Ontario Marketing Board and others, and much of the information so obtained and passed on has been of great practical use.

Every mail from Canada carries some request from some Department of the Government to the Agent-General for specific information obtainable there. All these requests are, of course, given special attention. During the past year in particular the British Government has been giving great attention to agricultural reorganization and the marketing of farm produce. All the information published as a result of these commissions and enquiries, and comments on their application have been passed to the appropriate department of the Ontario Government.

The Agent-General gave something over thirty talks or lectures on Ontario and its resources and position in the Empire at Rotary Clubs, schools, literary societies, etc., during the past year.

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Ontario Department of Agriculture

ANNUAL REPORT

OF THE

STATISTICS BRANCH
1932

PART I.—AGRICULTURAL STATISTICS
PART II.—CHATTEL MORTGAGES

PRINTED BY ORDER OF
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ONTARIO

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Ontario Department of Agriculture
Statistics Branch

PART I — AGRICULTURAL STATISTICS

Depressed economic conditions have not affected the continuity of agricultural production in Ontario. The acreage planted to the principal crops amounted to 9,225,700 acres in 1932, as compared with 9,176,062 acres in the previous year. Beans, potatoes and flax experienced the largest percentage decline in acreage, while barley, alfalfa, buckwheat and corn showed the greatest increases.

The average yields per acre for the Province were very satisfactory. Spring grains, together with hay and clover were slightly lower than previous years, while roots and late crops had higher yields.

A crop of 45,759,800 lbs. of tobacco was grown in Ontario in 1932, marking a new high record for production. The outstanding feature of the tobacco-growing industry continues to be the increasing predominance of the bright flue-cured type which has increased in production from 8,726,000 lbs. in 1928 to 27,615,000 in 1932. Output of burley was 16,644,600 lbs. in 1932, a figure slightly less than in 1928. The increase in bright flue-cured tobacco has been chiefly due to the extension of tobacco in Elgin, Norfolk, and Oxford during this period. The acreage in these three counties combined was extended from 6,700 acres in 1928 to 25,700 in 1932.

An increase in the number of horses and cattle on farms in Ontario, and a reduction in the number of sheep, swine and poultry occurred between June 1st, 1931, and June 1st, 1932. The total value of all livestock and of each species fell during the year and was due chiefly to a further drop in values per head. The total value of all livestock amounted to $144,580,416 on June 1st, 1932, compared with $171,732,345 on the same date in 1931 which represents a reduction of 16 per cent.

The gross value of agricultural production in Ontario in 1932 showed a decrease from the preceding year of $45,677,000. Figures for 1930, 1931, and 1932 are given in the table below. The estimates for 1932 are subject to revision.

ESTIMATED GROSS ANNUAL AGRICULTURAL REVENUE OF ONTARIO

	1930	1931	1932
Field Crops	$179,919,000	$124,541,000	$113,904,000
Farm Animals	60,738,000	33,486,000	23,222,000
Wool	632,000	458,000	287,000
Dairy Products	103,194,000	56,519,000	46,422,000
Fruits and Vegetables	20,207,000	16,424,000	11,969,000
Poultry and Eggs	41,461,000	29,491,000	21,797,000
Fur Farming	817,000	603,000	463,000
Maple Products	1,576,000	1,674,000	951,000
Tobacco	6,244,000	6,814,000	5,703,000
Flax Fibre	371,000	179,000	170,000
Clover and Grass Seed	1,855,000	1,110,000	615,000
Honey	870,000	824,000	800,000
Totals	$417,884,000	$272,123,000	$226,446,000

Low agricultural prices throughout the world have been an important factor in the slump in general business and world trade which commenced late in the year 1929. Farmers in every country have experienced very difficult and trying times. Fortunately in the last few months commodity prices have strengthened appreciably. Maintenance, over a 12-month period, of the prices prevailing at the end of April, 1933, as compared with recent lows, would mean $34,183,000 increase in revenue to farmers in Ontario. Such an increase in purchasing power would prove a real impetus to general business activity.

STATISTICS OF FARM CROPS, 1932

Field Crops	Acres	Production	Bushels per acre	Market Value	
				Total	Per acre
		bush.	bush.	$	$ c.
Fall wheat	536,300	15,061,600	28.1	6,929,100	12.92
Spring wheat	100,100	1,990,400	19.9	896,000	8.95
Oats	2,338,600	75,517,400	32.3	18,878,700	8.07
Barley	456,000	13,771,000	30.2	4,958,000	10.87
Peas	59,500	1,071,300	18.0	696,300	11.70
Beans	61,800	1,059,600	17.1	519,100	8.40
Rye	57,500	1,024,000	17.8	378,900	6.59
Buckwheat	196,600	4,511,000	22.9	1,579,200	8.03
Flax	6,300	61,600	9.8	55,500	8.81
Corn (in the ear)	130,300	7,584,900	58.2	2,275,600	17.46
Potatoes	156,300	15,859,600	101.5	6,565,800	42.01
Carrots	2,200	349,200	156.0	27,900	12.68
Mangels	31,800	12,781,400	402.0	1,022,500	32.15
Turnips	66,000	25,456,400	384.0	2,036,500	30.86
Sugar beets	33,300	13,302,400	400.0	1,745,900	52.43
Mixed grains	986,200	33,327,100	338.0	10,997,500	11.15
		Tons	Tons		
Corn (for silo), green	285,300	2,574,000	9.02	6,434,900	22.55
Hay and clover	2,780,300	4,420,700	1.59	32,005,900	11.51
Alfalfa	527,800	1,403,900	2.66	11,527,000	21.84
Alsike	95,100	143,700	1.51	918,100	9.65
Sweet clover	318,600	705,100	2.21	3,701,800	11.62
Totals: 1932	9,225,700	....	.....	114,150,500	12.37
" 1931	9,176,062	....	.....	125,219,586	13.65

The acreages devoted to other crops in 1932 were as follows:—Orchards, 203,800; strawberries, 8,700; vineyards, 15,200; other small fruits, 14,100; summer fallow, 221,700; pasture (cleared), 3,012,500.

Tobacco.—It is estimated that 45,100 acres of tobacco were grown in 1932, yielding 45,759,800 pounds, or 1.014 per acre. Of this, Elgin had 3,200 acres, Essex 10,000, Kent 7,600, Norfolk 19,800, and Oxford 2,700. Burley accounted for 15,850 acres, bright flue-cured 27,750 acres, and dark types 1,500 acres.

Rape.—The estimate for 1932 was 14,400 acres of which 4,500 are in Wellington, 2,100 in Grey and 2,000 in Dufferin.

THE WEATHER

Temperature.—The following table gives the temperature of the Province for each month during the last five years, together with the mean annual temperature for the six months, April–September, practically the growing season, together with the average for the five years, 1928–1932, and fifty-one years, 1882–1932.

Months	1932	1931	1930	1929	1928	1928–1932	1882–1932
	°	°	°	°	°	°	°
January	31.1	19.9	17.8	16.3	20.4	21.1	18.2
February	24.7	22.9	22.5	16.5	18.8	21.1	17.4
March	25.7	30.6	28.0	33.7	26.6	28.9	27.7
April	38.1	43.0	41.1	43.4	38.9	40.9	41.7
May	54.2	54.6	55.9	51.4	52.5	53.7	53.5
June	63.7	63.8	65.7	61.8	60.6	63.1	63.6
July	66.0	71.8	67.6	67.0	68.3	68.1	67.3
August	67.7	67.7	66.9	63.6	68.4	66.9	65.8
September	59.8	63.8	60.9	60.5	55.8	60.2	59.3
October	49.2	51.9	47.2	46.5	49.5	48.9	47.6
November	32.5	43.6	38.4	34.1	36.8	37.1	35.5
December	26.2	30.0	25.0	20.6	28.6	26.1	23.7
Annual Mean	44.9	47.0	44.8	43.0	43.8	44.7	43.4
Mean for six months April–September	58.3	60.8	59.7	57.9	57.4	58.8	58.5

The mean temperature for 1932 was 44.9 degrees or 2.1 degrees lower than preceding year, and 1.5 degrees above the normal of the fifty-one years, 1882–1932.

The mean of the six months, April–September, was 58.3 or 2.5 degrees below preceding year and 0.2 degrees lower than the fifty-one year normal.

Eight months were above normal and four below with January having the greatest departure above with 12.9 degrees, and April the greatest below with 3.6 degrees.

SUNSHINE.—In the following the averages of sunshine are derived from the records of the weather stations at Woodstock, Toronto, Lindsay, Kingston and Ottawa.

Months	Sun above horizon	1932	1931	1930	1929	1928	1928–1932	1882–1932
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January	285.7	48.2	84.0	71.6	90.2	63.2	71.4	77.0
February	302.5	103.5	111.3	91.5	98.4	112.1	103.4	103.6
March	369.9	126.4	113.0	128.7	110.2	139.8	123.6	143.4
April	406.4	157.1	193.2	172.3	135.7	166.4	164.9	180.8
May	461.1	223.6	231.1	221.5	214.7	215.7	221.3	214.0
June	465.7	260.4	266.9	246.2	248.9	206.9	245.9	248.9
July	470.9	248.2	248.9	295.0	293.4	258.1	268.7	268.2
August	434.5	243.9	236.6	239.0	247.4	258.4	245.1	241.0
September	376.3	214.7	189.7	176.0	180.5	172.7	186.7	184.0
October	340.2	124.4	165.3	144.8	121.8	127.9	136.9	138.6
November	286.9	107.9	76.5	82.2	77.8	68.8	82.6	78.0
December	274.3	74.1	79.9	52.8	35.2	70.2	62.4	62.5
For year	4474.4	1932.4	1996.4	1921.6	1854.2	1860.2	1912.9	1940.0
For six months April-September	2614.9	1347.9	1366.4	1350.0	1320.6	1278.2	1332.6	1336.9

The year 1932 had 1,932.4 hours of sunshine, 7.6 hours less than the average for the last fifty-one years, the six growing months, April–September, had 1,347.9 hours or 11.0 hours more than average. Six months were above normal and six below. September had the greatest departure above with 30.7 hours and January the greatest below with 28.8 hours.

Precipitation.—The fall of both rain and snow for the five winter months including November, 1931, and March, 1932, is given in the following table for five years, together with the average for the fifty-one years, 1882–1932. Ten inches of snow is equivalent to one inch of rain.

Months	1932	1931	1930	1929	1928	1928–1932	1882–1932
	in.	in.	in.	in.	in.	in.	in.
November, 1931:							
Rain	2.85	1.07	2.18	2.31	3.85	2.45	2.00
Snow	2.4	9.6	9.6	5.9	8.3	7.2	7.3
December, 1931:							
Rain	1.57	0.39	0.34	0.74	1.52	0.91	1.21
Snow	8.6	11.7	26.0	10.7	17.4	14.9	15.2
January, 1932:							
Rain	2.56	0.09	1.51	1.95	0.49	1.32	0.92
Snow	13.2	20.2	18.7	25.3	19.4	19.4	18.9
February, 1932:							
Rain	1.11	0.22	0.74	0.19	0.74	0.60	0.71
Snow	14.5	10.4	11.8	11.6	12.1	11.9	15.5
March, 1932:							
Rain	0.50	0.61	1.11	2.13	0.84	1.04	1.17
Snow	19.2	14.9	12.2	10.3	17.7	14.9	11.0
Five Months:							
Rain	8.59	2.38	5.88	7.32	7.44	6.32	6.01
Snow	57.9	66.8	78.3	63.8	74.9	68.3	67.9

The total amount of rainfall for the five months was 8.59 inches or 2.58 inches above the average for the fifty-one years, 1882–1932. The total amount of snowfall was 57.9 inches or 10.0 inches below normal.

The rainfall for the six months, April–September, comprising what is regarded as the growing season for most crops, is given in the following table covering the last five years, 1928–1932, and the normal for the fifty-one years, 1882–1932.

Months	1932	1931	1930	1929	1928	1928–1932	1882–1932
	in.	in.	in.	in.	in.	in.	in.
April	1.49	1.87	1.49	3.81	1.97	2.13	1.87
May	2.53	2.48	2.92	3.08	1.71	2.54	2.74
June	1.94	2.17	4.01	2.00	3.94	2.81	2.81
July	3.52	3.47	2.44	2.94	4.28	3.33	2.91
August	4.03	1.78	1.58	1.55	3.66	2.52	2.65
September	3.71	4.07	2.29	1.90	3.27	3.05	2.75
Total for six months	17.22	15.84	14.73	15.28	18.83	16.38	15.73

The rainfall for the six months, April–September, was 17.22 inches or 1.38 above the preceding year, and in comparison with the fifty-one years 14.9 inches above. Three months were above average and three below. August with 1.38 inch above and June 0.87 below had the greatest departures during the growing season.

TEMPERATURES, 1932

TABLE I.—Showing for each month the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario for 1932; also the annual mean for each station.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	Montreal River
	°	°	°	°	°	°	°	°	°	°
January:										
Highest	56.5	60.0	58.0	57.0	60.0	56.0	53.0	49.0	54.0	45.0
Lowest	6.7	8.0	5.0	6.0	13.0	12.8	2.0	−4.0	−4.0	−20.0
Daily range	11.0	9.8	10.8	9.2	12.7	9.3	12.9	13.5	13.8	24.2
Monthly mean	32.4	36.4	34.3	33.9	37.7	35.2	29.6	26.4	26.9	18.0
February:										
Highest	59.3	63.0	58.0	57.0	64.0	51.0	47.0	47.0	47.0	48.0
Lowest	1.4	11.0	6.0	12.0	11.0	9.2	−1.0	−15.0	−7.0	−33.0
Daily range	15.5	17.6	15.3	13.7	13.8	12.7	17.2	19.4	16.9	29.6
Monthly mean	26.6	34.1	27.8	27.4	32.3	29.5	23.7	19.5	17.6	8.4
March:										
Highest	56.8	59.0	58.0	55.0	63.0	58.0	57.0	53.0	47.0	55.0
Lowest	4.9	5.0	1.0	4.0	8.0	4.9	−2.0	−13.0	− 1.0	−22.0
Daily range	12.8	13.8	19.1	11.4	12.2	11.3	17.0	18.8	16.7	25.8
Monthly mean	26.5	30.0	27.6	25.8	30.5	29.1	25.0	21.7	24.0	16.4
April:										
Highest	71.2	82.0	72.0	73.0	73.0	75.8	74.0	71.0	75.0	73.0
Lowest	5.1	22.0	12.0	17.0	25.0	19.9	9.0	−6.0	15.0	−8.0
Daily range	15.9	20.7	29.0	15.8	14.8	14.8	21.0	21.4	18.4	24.6
Monthly mean	37.1	43.9	34.5	39.6	41.0	40.8	38.0	35.7	38.9	31.8
May:										
Highest	84.0	87.0	82.5	81.0	87.0	82.9	83.0	84.0	88.0	83.0
Lowest	24.9	32.0	24.0	27.0	36.0	32.4	25.0	23.0	31.0	18.0
Daily range	17.8	24.1	20.4	17.2	16.3	18.0	13.9	23.8	23.0	33.0
Monthly mean	51.8	59.1	53.6	53.9	54.9	55.3	54.6	51.4	56.7	50.3
June:										
Highest	81.5	90.0	84.0	83.0	85.0	83.3	90.0	87.0	87.0	88.0
Lowest	34.6	42.0	35.5	40.0	43.0	43.5	34.0	33.0	21.0	32.0
Daily range	17.3	23.5	20.6	18.7	18.3	18.7	26.4	26.3	22.3	33.0
Monthly mean	61.5	69.9	63.6	64.6	60.4	66.3	64.4	61.3	65.2	59.9
July:										
Highest	84.5	97.0	90.0	87.0	89.0	86.8	87.0	84.0	88.5	85.0
Lowest	44.7	47.0	41.0	45.0	49.0	50.0	44.0	38.0	45.5	33.0
Daily range	16.6	22.2	19.7	16.5	16.4	17.0	22.1	23.1	21.5	29.8
Monthly mean	64.4	72.4	66.2	66.3	68.2	67.6	65.5	62.7	67.3	59.2
August:										
Highest	90.2	96.0	93.0	90.0	95.0	94.8	93.0	87.0	90.0	89.0
Lowest	46.5	52.0	43.5	48.0	50.0	51.0	44.0	36.0	47.5	39.0
Daily range	18.4	24.7	23.1	19.0	19.1	19.4	24.5	24.9	22.8	27.1
Monthly mean	67.5	72.8	67.2	66.9	69.8	69.6	66.9	64.0	69.8	62.4
September:										
Highest	80.2	88.0	81.0	80.0	88.0	87.4	82.0	78.0	92.0	83.0
Lowest	37.1	39.0	29.0	35.0	37.0	38.3	31.0	28.0	32.5	24.0
Daily range	19.0	23.3	22.6	18.9	19.4	17.3	23.0	23.1	24.8	29.0
Monthly mean	59.3	64.7	59.9	59.6	62.9	62.0	58.9	55.0	62.7	53.1
October:										
Highest	71.5	77.0	72.0	74.0	75.7	73.3	74.0	68.0	78.5	68.0
Lowest	30.1	31.0	24.0	28.0	32.8	32.8	28.0	26.0	25.5	13.0
Daily range	15.1	17.2	16.5	15.0	16.2	14.5	20.4	17.3	18.2	18.4
Monthly mean	49.6	53.7	49.2	49.3	52.9	51.3	48.6	47.1	48.9	41.3
November:										
Highest	58.2	64.0	58.0	56.0	58.5	59.2	56.0	52.0	60.0	48.0
Lowest	8.7	12.0	6.8	7.0	16.5	8.0	−6.0	−5.0	2.0	−11.0
Daily range	13.9	13.8	14.6	12.0	11.2	13.8	20.0	16.3	15.4	20.0
Monthly mean	34.3	37.4	33.1	32.9	37.6	35.7	31.5	29.1	30.3	23.4
December:										
Highest	52.2	58.0	53.3	54.0	49.0	56.8	55.0	48.0	54.0	45.0
Lowest	−5.4	−2.0	−2.1	−2.0	6.5	2.0	−12.0	−26.0	−19.0	−32.0
Daily range	12.8	13.4	14.3	14.6	14.0	13.0	16.3	15.0	15.4	22.3
Monthly mean	27.8	30.0	26.7	26.8	32.5	30.4	25.5	22.8	23.9	15.3
Annual mean	44.9	50.4	45.3	45.6	48.4	47.7	44.3	41.4	44.3	36.6

AVERAGE TEMPERATURE FOR FIFTY-ONE YEARS

TABLE II.—Showing for each month the monthly average for the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario, derived from the fifty-one years, 1882-1932; also the annual mean at each station for the same period.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	Montreal River
January:	°	°	°	°	°	°	°	°	°	°
Highest	44.2	46.4	45.7	45.4	49.2	45.3	41.5	40.7	40.6	38.1
Lowest	−7.1	−7.1	−9.1	−10.0	−4.3	−6.5	−19.7	−27.1	−21.1	−34.2
Daily range	14.3	12.5	14.9	15.3	14.3	14.3	18.0	20.3	17.7	24.5
Monthly mean	20.9	22.3	21.6	20.3	24.9	22.7	16.1	14.1	11.8	6.1
February:										
Highest	44.0	49.3	46.6	45.4	48.0	45.1	41.9	41.8	40.6	41.1
Lowest	−11.1	−7.1	−9.5	−9.6	−4.6	−6.2	−17.3	−26.4	−19.6	−34.2
Daily range	16.5	14.1	16.4	16.1	15.1	15.0	19.6	21.9	19.0	25.1
Monthly mean	19.1	22.1	21.0	19.7	23.5	21.9	15.9	13.8	13.1	8.7
March:										
Highest	54.7	60.3	60.0	57.2	60.6	57.0	53.2	51.2	50.2	51.6
Lowest	−2.0	2.2	1.1	0.7	6.2	4.9	−6.0	−12.4	−6.9	−22.7
Daily range	16.6	15.4	17.6	16.4	15.1	14.4	18.7	20.7	17.5	25.4
Monthly mean	27.2	31.1	30.4	28.6	32.6	30.3	26.0	23.8	25.0	20.3
April:										
Highest	72.4	77.6	76.5	74.4	76.8	71.6	74.1	71.2	73.8	72.3
Lowest	15.7	19.4	18.5	17.8	20.9	21.0	13.9	9.8	15.3	4.1
Daily range	17.5	18.8	21.0	19.6	17.5	16.7	21.2	21.3	19.5	24.5
Monthly mean	40.1	44.3	43.3	42.2	44.0	42.7	41.4	39.0	41.2	37.5
May:										
Highest	79.8	83.9	83.5	80.7	84.6	80.8	83.1	81.0	83.6	84.4
Lowest	28.3	29.9	29.1	29.2	32.8	32.0	27.6	25.9	31.0	19.5
Daily range	19.4	21.4	23.2	21.4	20.4	19.1	24.2	23.2	22.0	26.8
Monthly mean	50.7	55.6	55.1	53.5	54.5	54.0	53.7	51.8	54.9	51.1
June:										
Highest	85.1	89.6	89.3	86.4	91.0	87.9	89.1	86.6	88.4	90.1
Lowest	37.2	38.7	38.0	38.4	41.1	42.0	37.9	35.3	41.2	33.1
Daily range	19.9	22.1	23.5	22.0	21.4	20.3	24.9	24.5	21.6	27.9
Monthly mean	60.3	65.3	64.8	63.2	65.1	64.1	63.4	61.7	64.6	61.1
July:										
Highest	87.4	93.4	92.8	89.5	92.7	91.4	91.8	89.4	91.2	91.9
Lowest	44.0	45.0	44.2	44.5	48.1	48.9	43.8	41.9	48.1	39.5
Daily range	19.9	22.3	23.4	22.1	21.3	20.3	24.7	23.5	20.8	26.4
Monthly mean	66.0	70.1	69.4	67.6	70.9	69.3	67.8	66.1	68.9	65.1
August:										
Highest	86.0	91.5	91.3	88.4	92.8	89.2	90.0	87.3	89.1	88.4
Lowest	42.0	43.5	41.1	41.8	45.9	46.7	40.5	37.8	44.1	36.5
Daily range	18.3	21.6	23.7	22.9	21.1	21.6	24.3	23.2	21.0	25.6
Monthly mean	64.5	68.0	66.9	65.2	68.8	66.4	65.4	63.8	66.3	62.2
September:										
Highest	84.2	88.3	87.3	84.8	89.4	85.8	85.7	83.0	85.1	83.5
Lowest	34.6	35.2	32.2	32.7	36.2	36.9	31.8	30.1	33.6	28.7
Daily range	18.2	20.2	22.4	21.2	20.5	18.7	22.9	21.8	20.8	23.8
Monthly mean	59.2	62.1	60.9	59.3	62.6	60.7	58.4	57.2	58.7	54.9
October:										
Highest	74.6	77.1	76.3	74.4	77.5	73.9	74.5	72.5	72.9	73.0
Lowest	26.0	26.8	24.4	24.4	26.8	27.5	21.7	20.9	24.6	17.6
Daily range	16.1	17.5	20.1	18.6	18.6	16.4	20.0	18.8	17.8	19.8
Monthly mean	48.2	50.2	48.6	47.4	50.8	49.0	46.5	45.6	46.3	43.0
November:										
Highest	61.3	63.7	62.2	61.3	65.1	60.8	59.6	58.5	58.7	55.4
Lowest	14.4	14.9	13.4	12.4	17.7	15.9	6.4	5.6	7.4	−1.5
Daily range	13.1	12.6	14.4	14.0	13.9	12.7	15.3	14.6	12.6	15.3
Monthly mean	36.9	38.1	37.0	35.9	39.6	37.9	34.0	33.1	33.1	29.1
December:										
Highest	48.9	50.4	52.1	49.1	53.1	48.9	45.6	44.5	43.3	42.9
Lowest	0.8	1.2	−1.0	−2.2	0.5	0.5	−12.3	−15.5	−14.1	−24.9
Daily range	12.4	10.8	13.2	13.1	12.6	12.4	15.8	16.9	14.6	19.5
Monthly mean	26.7	27.3	26.6	25.2	29.3	27.7	21.6	20.4	18.3	14.0
Annual mean	43.3	46.4	45.5	44.0	47.2	45.7	42.5	40.9	41.9	37.8

RAIN AND SNOW

TABLE III.—Summary of the total fall of rain and snow and the number of days on which rain and snow fell in Ontario during 1932, at stations reporting the whole year, and the average of the Province.

Stations	Rain		Snow	
	Inches	Days	Inches	Days
ALGOMA:				
Biscotasing	20.75	77	94.8	41
Franz	23.99	70	109.5	57
Kapuskasing	22.78	79	128.5	64
Steep Hill Falls	23.39	65	295.7	68
BRANT:				
Brantford	34.39	83	49.3	22
Paris	39.30	118	54.8	30
BRUCE:				
Southampton	32.87	122	108.0	65
Tobermory	27.02	57	64.0	22
Walkerton	39.02	70	96.0	32
CARLETON:				
Ottawa	27.23	98	102.4	65
DUNDAS:				
Morrisburg	32.94	84	92.3	54
DURHAM:				
Orono	38.71	92	54.2	34
ELGIN:				
St. Thomas	38.43	113	28.5	17
ESSEX:				
Harrow	16.13	90	35.5	18
Leamington	32.18	84	28.7	15
FRONTENAC:				
Kingston	28.41	109	58.3	38
GREY:				
Eugenia	24.20	74	70.5	33
HALTON:				
Georgetown	23.60	63	60.4	26
HASTINGS:				
Belleville	24.72	110	54.8	31
Queensboro	24.86	88	117.0	31
Trenton	31.32	104	84.8	36
HURON:				
Brucefield	31.07	85	40.1	26
Lucknow	30.65	40	77.0	31
Ridgecrest	31.38	107	37.0	17
KENORA:				
Ignace	21.86	60	147.5	43
KENT:				
Chatham	32.08	75	33.5	14
LEEDS:				
Brockville	27.81	68	63.0	21
LINCOLN:				
St. Catharines	26.74	105	28.6	22
Vineland	34.08	121	33.9	34
MANITOULIN:				
Providence Bay	20.12	47	124.5	32
MIDDLESEX:				
Lucan	36.82	102	87.1	50
MUSKOKA:				
Beatrice	37.53	103	128.0	44
Walker's Point	37.34	124	146.2	65
NIPISSING:				
Algonquin Park	29.41	77	90.3	43
Iroquois Falls	26.16	96	134.9	74
Madawaska	25.05	65	63.5	21
Montreal River	30.56	117	108.4	73
New Liskeard	23.63	92	100.5	48
North Bay	22.05	64	85.8	45
Rutherglen	27.09	78	111.0	40
NORFOLK:				
Simcoe	31.70	108	41.7	21
NORTHUMBERLAND:				
Healey Falls	31.26	87	67.0	33
OXFORD:				
Woodstock	32.00	121	41.2	56
PARRY SOUND:				
Magnetawan	28.08	101	124.4	66
Nipissing	26.40	98	94.2	52
Parry Sound	37.21	123	126.8	79
PEEL:				
Alton	31.35	85	85.0	40
PERTH:				
Stratford	35.34	96	79.7	53
PETERBOROUGH:				
Apsley	32.40	106	112.3	42
Lakefield	28.41	87	77.1	42
Peterborough	29.55	102	78.8	40
PRINCE EDWARD:				
Bloomfield	27.79	76	67.5	25
RAINY RIVER:				
Emo	20.75	67	81.9	42
Fort Francis	20.85	79	60.5	32
Kenora	12.80	38	115.0	48
Mine Centre	20.08	91	88.8	74
Sioux Lookout	16.46	69	85.8	52
Atikokan	20.73	53	80.4	40
RENFREW:				
Clontarf	23.77	78	77.7	37
Pembroke	23.66	75	76.0	34
SIMCOE:				
Beeton	24.43	66	58.2	24
Orillia	32.03	116	88.0	53
Washago	38.55	120	85.3	45
SUDBURY:				
Chapleau	18.01	93	108.5	50
Coniston	19.75	79	87.3	60
Sudbury	27.29	81	106.0	71
Timmins	19.78	93	102.2	97
THUNDER BAY:				
Kakabeka Falls	19.98	83	86.5	44
Port Arthur	20.65	78	65.3	58
Savanne	18.39	65	70.0	39
Schreiber	18.31	59	122.5	48
VICTORIA:				
Fenelon Falls	31.26	109	98.3	63
Lindsay	27.19	110	97.5	50
WATERLOO:				
Kitchener	31.96	62	22.5	8
WELLAND:				
Welland	34.90	114	37.7	24
WELLINGTON:				
Guelph	31.95	84	52.2	27
YORK:				
Agincourt	32.22	106	55.9	43
Toronto	30.70	116	63.2	44
Average for the Province: 1932	28.49	88	81.0	42
1931	23.87	87	59.6	33
1930	20.95	81	65.7	39
1882–1932	24.44	74	72.6	39

RAIN AND SNOW

TABLE IV.—Monthly summary of inches of rain and snow in precipitation in the several districts in Ontario in 1932. Also the average derived from the fifty-one years, 1882-1932.

Months	West and Southwest		North and Northwest		Centre		East and Northeast		The Province	
	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow
1932	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
January	3.38	5.1	0.50	21.0	3.31	13.3	3.05	13.5	2.56	13.2
February	1.40	10.3	0.32	20.2	1.45	12.7	1.27	15.0	1.11	14.6
March	0.66	16.7	0.18	17.4	0.63	20.6	0.52	22.1	0.50	19.2
April	1.22	6.7	1.15	6.1	1.61	10.1	1.97	10.1	1.49	8.2
May	3.92	......	1.62	0.7	2.87	......	1.72	......	2.53	0.2
June	1.88	......	2.26	......	1.87	......	1.75	......	1.94	......
July	4.08	......	3.77	......	3.50	......	2.72	......	3.52	......
August	3.40	......	4.68	......	4.08	......	3.94	......	4.03	......
September	4.56	......	2.49	......	4.75	......	3.06	......	3.71	......
October	3.41	0.2	3.26	8.6	3.13	0.3	3.21	0.2	3.25	2.3
November	1.73	8.9	1.11	16.8	2.71	10.0	2.94	10.1	2.12	11.5
December	2.35	8.7	0.64	15.0	1.91	14.2	2.01	9.5	1.73	11.8
The year	31.99	56.6	21.98	105.8	31.82	81.2	28.16	80.5	28.49	81.0
1882–1932										
January	1.17	16.3	0.53	22.5	1.05	17.1	0.96	19.7	0.93	18.9
February	1.05	13.6	0.35	17.8	0.84	14.1	0.60	16.4	0.71	15.5
March	1.39	9.0	0.80	13.2	1.30	10.1	1.18	11.7	1.17	11.0
April	2.15	2.2	1.50	4.4	2.06	3.1	1.78	3.6	1.87	3.3
May	3.06	0.1	2.47	0.3	2.77	0.1	2.68	0.1	2.75	0.1
June	2.92	......	2.77	......	2.76	......	2.77	......	2.81	......
July	2.82	......	3.00	......	2.93	......	2.89	......	2.94	......
August	2.71	......	2.81	......	2.47	......	2.61	......	2.65	......
September	2.74	......	3.10	......	2.53	......	2.62	......	2.75	......
October	2.73	0.8	2.80	2.4	2.59	0.7	2.53	1.0	2.66	1.2
November	2.30	5.5	1.70	11.7	2.07	5.3	1.96	6.9	2.01	7.4
December	1.92	14.2	0.70	20.0	1.18	12.6	1.09	14.0	1.22	15.2
The year	26.96	61.7	22.53	92.3	24.55	63.1	23.67	73.4	24.47	72.6

SUNSHINE

Table V.—Monthly summary of bright sunshine at the principal stations in Ontario for 1932 showing the number of hours the sun was above the horizon, the hours of registered sunshine, the total for the year and average derived from the fifty-one years, 1882-1932.

Months	Sun above horizon	Woodstock	Toronto	Lindsay	Kingston	Ottawa	Average of five stations		
							1932	1931	1882–1932
1932	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January	285.7	46.0	45.7	30.7	53.8	64.9	48.2	84.0	....
February	302.5	108.4	99.8	87.5	118.0	103.9	103.5	111.3	....
March	369.9	105.1	122.8	105.4	149.9	148.8	126.4	113.0	....
April	406.4	170.0	161.0	120.7	153.5	180.5	157.1	193.2	....
May	461.1	224.4	223.7	199.9	222.1	247.7	223.6	231.1	....
June	465.7	280.3	271.0	203.9	273.6	273.3	260.4	266.9	....
July	470.9	270.6	266.6	190.8	249.4	263.6	248.2	248.9	....
August	434.5	274.1	277.4	209.6	274.3	254.0	243.9	236.6	....
September	376.3	220.5	243.6	184.9	214.8	209.6	214.7	189.7	....
October	340.2	126.8	135.5	102.8	140.5	116.3	124.4	165.3	....
November	286.9	108.5	116.4	90.3	111.2	113.1	107.9	76.5	....
December	274.3	76.4	82.2	63.8	68.8	79.1	74.1	79.9	....
The year	4,474.4	2,011.1	2,045.7	1,590.3	2,029.9	2,054.8	1,932.4	1,996.4	....
1882–1932									
January	....	66.4	78.2	72.8	79.0	88.5	....	....	77.0
February	....	91.3	106.4	98.0	109.6	112.3	....	....	103.5
March	....	125.9	152.5	141.0	145.3	151.9	....	....	143.3
April	....	169.8	188.5	175.1	180.0	190.9	....	....	180.9
May	....	214.6	225.2	204.2	210.4	215.1	....	....	213.9
June	....	254.7	264.1	232.3	250.3	242.5	....	....	248.8
July	....	277.7	285.3	246.1	270.9	261.4	....	....	268.3
August	....	237.9	253.8	222.6	248.7	243.3	....	....	241.2
September	....	177.3	205.6	178.1	183.5	175.6	....	....	184.0
October	....	145.7	152.5	127.0	135.1	133.4	....	....	138.7
November	....	75.8	83.0	68.8	80.1	82.1	....	....	78.0
December	....	55.6	65.3	56.3	67.9	67.0	....	....	62.4
	....	1,892.7	2,060.4	1,822.3	1,960.8	1,964.0	....	....	1,940.0

RURAL AREA ASSESSED

Table VI.—Showing by County Municipalities the rural area of Ontario as returned by Municipal Assessors for 1932 to the Bureau of Municipal Affairs.

Counties and Districts	Acres of Assessed Land			Acres Cleared			Per cent. cleared
	Resident	Non-resident	Total	Resident	Non-resident	Total	
Algoma	265,550	74,639	340,189	64,357	4,206	68,563	20.15
Brant	213,675	1,557	215,232	178,317	850	179,167	83.24
Bruce	915,815	16,425	932,240	572,476	10,070	582,546	62.49
Carleton	550,092	13,414	563,506	378,552	7,580	386,132	68.52
Cochrane	117,917	49,362	167,279	19,312	5,012	24,324	14.54
Dufferin	356,425	....	356,425	284,310	....	284,310	79.77
Dundas	236,294	....	236,294	188,309	....	188,309	79.69
Durham	366,413	3,818	370,231	308,321	2,200	310,521	83.87
Elgin	436,520	200	436,720	363,904	200	364,104	83.37
Essex	409,606	4,148	413,754	373,149	4,148	377,297	91.19
Frontenac	615,761	68,256	684,017	238,797	13,368	252,165	36.87
Glengarry	287,334	1,295	288,629	200,986	775	201,761	69.90
Grenville	269,669	3,474	273,143	184,547	2,074	186,621	68.32
Grey	1,064,332	612	1,064,944	696,609	67	696,676	65.42
Haldimand	278,941	3,742	282,683	245,726	2,289	248,015	87.74
Haliburton	520,185	54,811	574,996	42,847	7,419	50,266	8.74
Halton	215,964	8,508	224,472	169,898	2,921	172,819	76.99
Hastings	1,002,774	77,089	1,079,863	415,946	3,434	419,380	38.84
Huron	790,506	10,329	800,835	670,408	12,344	682,752	85.26
Kenora	77,113	14,986	92,099	10,128	1,560	11,688	12.69
Kent	568,012	....	568,012	501,631	....	501,631	88.31
Lambton	661,815	406	662,221	547,661	406	548,067	82.76
Lanark	663,685	9,228	672,913	340,453	3,522	343,975	51.12
Leeds	464,652	5,394	470,046	271,592	1,448	273,040	58.09
Lennox & Addington	422,899	4,742	427,641	253,748	778	254,526	59.52
Lincoln	188,635	1,077	189,712	164,520	943	165,463	87.22
Manitoulin	261,066	89,385	350,451	49,729	2,156	51,885	14.81
Middlesex	727,031	29,379	756,410	648,055	27,486	675,541	89.31
Muskoka	532,612	41,225	573,837	74,542	2,143	76,685	13.36
Nipissing	298,590	8,676	307,266	68,839	963	69,802	22.72
Norfolk	394,290	355	394,645	279,182	220	279,402	70.80
Northumberland	433,096	1,345	434,441	355,129	1,290	356,419	82.04
Ontario	504,858	1,788	506,646	385,771	3	385,774	76.14
Oxford	468,277	3,186	471,463	404,657	2,511	407,168	86.36
Parry Sound	524,319	105,527	629,846	83,390	5,420	88,810	14.10
Peel	287,631	912	288,543	262,402	606	263,008	91.15
Perth	511,110	7,775	518,885	455,939	4,915	460,854	88.82
Peterborough	514,760	62,637	577,397	254,687	9,021	263,708	45.67
Prescott	289,601	3,146	292,747	218,452	1,998	220,450	75.30
Prince Edward	235,923	....	235,923	199,410	....	199,410	84.52
Rainy River	303,942	92,544	396,486	51,872	7,377	59,249	14.94
Renfrew	1,022,839	58,223	1,081,062	385,442	14,741	400,183	37.02
Russell	244,086	7,096	251,182	169,486	5	169,491	67.48
Simcoe	943,209	12,326	955,535	685,484	8,269	693,753	72.60
Stormont	246,110	2,300	248,410	165,294	400	165,694	66.70
Sudbury	287,214	117,676	404,890	67,409	13,315	80,724	19.94
Thunder Bay	492,871	36,047	528,918	48,374	4,034	52,408	9.91
Timiskaming	236,157	62,023	298,180	70,934	5,363	76,297	25.59
Victoria	583,330	8,263	591,593	294,704	3,294	297,998	50.37
Waterloo	305,313	1,378	306,691	256,345	1,099	257,444	83.94
Welland	219,499	2,143	221,642	181,651	1,683	183,334	82.72
Wellington	627,732	....	627,732	511,468	....	511,468	81.48
Wentworth	265,637	....	265,637	207,877	....	207,877	78.26
York	521,651	8,089	529,740	442,611	1,274	443,885	83.79
The Province:							
1932	24,243,338	1,190,956	25,434,294	14,965,639	207,200	15,172,839	59.66
1931	24,234,876	1,225,687	25,460,563	14,977,344	206,393	15,183,737	59.64
1930	24,246,127	1,171,749	25,417,876	14,988,565	194,675	15,183,240	59.73

Note.—Statistics regarding non-resident lands which should include unoccupied lands assessable are not satisfactory, as many assessors do not make any distinction on their rolls.

FALL WHEAT AND SPRING WHEAT

Table VII.—Showing by County Municipalities of Ontario the area, produce and market value of Fall Wheat and Spring Wheat for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Fall Wheat				Spring Wheat			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
Algoma	127	2,832	22.3	1,246	1,217	23,366	19.2	10,047
Brant	12,565	316,638	25.2	145,653	594	11,286	19.0	5,079
Bruce	17,452	511,344	29.3	240,332	1,790	41,170	23.0	18,938
Carleton	104	2,371	22.8	1,020	4,592	97,810	21.3	41,080
Cochrane	41	923	22.5	462	390	8,385	21.5	4,109
Dufferin	3,221	98,563	30.6	46,325	2,284	52,760	23.1	24,270
Dundas	140	3,430	24.5	1,441	1,531	33,835	22.1	13,872
Durham	7,843	216,467	27.6	101,739	3,091	57,493	18.6	25,872
Elgin	16,583	456,033	27.5	205,215	218	4,207	19.3	1,851
Essex	44,289	1,240,092	28.0	558,041	469	9,849	21.0	4,235
Frontenac	165	4,109	24.9	1,808	1,276	27,179	21.3	12,231
Glengarry	47	987	21.0	494	2,371	50,265	21.2	23,122
Grenville	103	2,421	23.5	1,041	718	15,150	21.1	6,666
Grey	14,872	416,416	28.0	199,880	2,593	50,823	19.6	23,887
Haldimand	16,813	445,545	26.5	204,951	2,414	43,452	18.0	19,553
Haliburton	10	241	24.1	108	86	2,004	23.3	882
Halton	6,400	186,240	29.1	89,395	2,893	57,571	19.9	26,483
Hastings	1,823	47,580	26.1	22,363	1,689	38,171	22.6	17,177
Huron	26,180	746,130	28.5	343,220	2,889	62,402	21.6	28,081
Kenora	25	550	22.0	259	469	9,615	20.5	4,423
Kent	71,691	2,013,240	28.1	905,958	1,892	35,948	19.0	15,098
Lambton	36,280	1,026,724	28.3	462,026	1,789	32,991	18.4	14,516
Lanark	210	4,851	23.1	2,134	3,429	73,724	21.5	31,701
Leeds	208	4,992	24.0	2,296	1,330	29,393	22.1	13,227
Lennox & Add'gton	570	12,939	22.7	6,340	1,880	39,668	21.1	18,644
Lincoln	7,121	179,449	25.2	84,341	801	16,821	21.0	7,738
Manitoulin	217	5,317	24.5	2,552	851	16,424	19.3	7,391
Middlesex	31,607	897,639	28.4	403,938	1,170	23,751	20.3	10,213
Muskoka	9	225	25.0	113	82	1,771	21.6	8 50
Nipissing	47	1,034	22.0	465	667	11,339	17.0	5,216
Norfolk	10,191	254,775	25.0	118,980	602	12,040	20.0	5,177
Northumberland	8,797	241,918	27.5	116,121	2,791	51,634	18.5	23,235
Ontario	11,006	311,470	28.3	146,391	2,598	51,700	19.9	23,265
Oxford	16,845	473,345	28.1	227,206	729	14,580	20.0	6,853
Parry Sound	21	399	19.0	196	489	8,166	16.7	3,838
Peel	9,557	316,337	33.1	151,842	3,482	69,640	20.0	31,338
Perth	22,314	687,271	30.8	316,145	1,191	27,393	23.0	12,327
Peterborough	8,518	236,800	27.8	113,664	1,394	27,462	19.7	12,358
Prescott	40	820	20.5	394	1,848	38,808	21.0	17,464
Prince Edward	1,421	39,078	27.5	18,367	1,103	22,060	20.0	9,927
Rainy River	28	672	24.0	316	1,209	27,203	22.5	12,513
Renfrew	306	6,120	20.0	2,815	16,916	279,114	16.5	130,347
Russell	49	970	19.8	466	1,637	30,285	18.5	13,931
Simcoe	50,046	1,431,316	28.6	644,092	2,115	39,339	18.6	16,916
Stormont	48	960	20.0	461	606	12,665	20.9	5,826
Sudbury	44	880	20.0	405	1,123	23,583	21.0	10,612
Thunder Bay	34	748	22.0	337	773	17,547	22.7	7,545
Timiskaming	104	2,496	24.0	1,148	1,816	34,504	19.0	15,527
Victoria	8,105	202,625	25.0	89,155	1,783	49,033	27.5	21,575
Waterloo	17,799	546,429	30.7	256,822	381	7,620	20.0	3,429
Welland	11,894	268,804	22.6	126,338	259	4,921	19.0	2,264
Wellington	8,612	254,054	29.5	119,405	2,718	63,329	23.3	28,498
Wentworth	7,888	203,510	25.8	97,685	841	15,979	19.0	7,350
York	25,862	734,481	28.4	345,206	4,199	83,140	19.8	37,413
The Province:								
1932	536,292	15,061,600	28.1	6,929,113	100,068	1,990,368	19.9	895,980
1931	525,024	15,013,455	28.6	7,747,787	99,183	1,982,594	20.0	1,008,547

OATS AND BARLEY

TABLE VIII.—Showing by County Municipalities of Ontario the area, produce and market value of Oats and Barley for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Oats				Barley			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
Algoma	14,163	471,628	33.3	132,056	2,259	72,288	32.0	27,469
Brant	30,324	940,044	31.0	235,011	5,414	158,089	29.2	52,169
Bruce	90,790	3,114,097	34.3	778,524	16,637	490,792	29.5	176,685
Carleton	70,061	2,206,922	31.5	551,731	8,750	272,125	31.1	89,801
Cochrane	7,425	259,875	35.0	75,364	1,288	41,860	32.5	16,744
Dufferin	44,244	1,375,988	31.1	343,997	14,764	431,109	29.2	142,266
Dundas	16,394	563,954	34.4	169,186	5,202	161,262	31.0	58,054
Durham	37,575	1,221,188	32.5	317,509	7,431	229,618	30.9	78,070
Elgin	43,692	1,306,391	29.9	352,726	5,906	163,006	27.6	57,052
Essex	63,419	1,902,570	30.0	456,617	11,826	328,763	27.8	113,752
Frontenac	33,977	1,063,480	31.3	255,235	3,337	104,114	31.2	40,604
Glengarry	42,099	1,309,279	31.1	288,041	5,475	170,820	31.2	61,495
Grenville	25,898	885,712	34.2	230,285	1,619	49,380	30.5	18,764
Grey	118,762	3,605,241	30.4	865,258	30,476	914,280	30.0	329,141
Haldimand	40,851	1,111,147	27.2	288,898	6,558	173,131	26.4	60,596
Haliburton	7,710	245,949	31.9	66,406	1,031	31,033	30.1	10,862
Halton	25,938	907,830	35.0	254,192	6,544	225,768	34.5	81,276
Hastings	72,067	2,241,284	31.1	569,286	10,981	318,449	29.0	113,049
Huron	104,708	3,727,605	35.6	894,625	24,251	761,481	31.4	266,518
Kenora	4,882	157,689	32.3	34,692	1,267	41,811	33.0	15,888
Kent	64,631	1,971,246	30.5	492,812	17,014	447,468	26.3	161,088
Lambton	83,742	2,545,757	30.4	585,524	13,970	364,617	26.1	127,616
Lanark	38,517	1,163,213	30.2	279,171	5,685	181,920	32.0	62,762
Leeds	41,302	1,181,237	28.6	318,934	3,548	117,439	33.1	44,627
Lennox & Add'gton	32,237	841,386	26.1	235,588	5,119	159,713	31.2	56,219
Lincoln	22,655	704,571	31.1	183,188	1,962	53,759	27.4	18,439
Manitoulin	7,853	241,872	30.8	67,724	2,261	68,961	30.5	27,584
Middlesex	95,736	3,092,273	32.3	742,146	14,064	433,171	30.8	155,942
Muskoka	11,299	380,776	33.7	106,617	657	18,133	27.6	7,253
Nipissing	17,112	576,674	33.7	155,702	2,596	77,101	29.7	27,756
Norfolk	31,986	905,204	28.3	226,301	2,749	56,355	20.5	20,851
Northumberland	52,488	1,537,898	29.3	384,475	7,909	213,543	27.0	79,011
Ontario	53,200	1,883,280	35.4	489,653	13,276	411,556	31.0	144,045
Oxford	53,378	1,654,718	31.0	446,774	8,035	250,692	31.2	97,770
Parry Sound	19,325	637,725	33.0	172,186	2,199	64,871	29.5	25,300
Peel	34,808	1,221,761	35.1	317,658	10,977	331,505	30.2	129,287
Perth	77,045	2,727,393	35.4	654,574	21,978	729,670	33.2	255,385
Peterborough	45,653	1,657,204	36.3	397,729	6,968	202,072	29.0	72,746
Prescott	54,770	1,812,887	33.1	435,093	7,153	203,145	28.4	81,258
Prince Edward	29,060	929,920	32.0	213,882	8,089	230,537	28.5	78,383
Rainy River	10,202	387,676	38.0	85,289	3,487	113,328	32.5	36,265
Renfrew	69,043	2,029,864	29.4	507,466	10,659	296,320	27.8	103,712
Russell	38,374	1,254,830	32.7	263,514	4,755	129,336	27.2	51,734
Simcoe	104,376	3,882,787	37.2	970,697	28,556	989,260	34.6	356,134
Stormont	30,863	1,070,946	34.7	278,446	3,296	101,187	30.7	40,475
Sudbury	14,883	443,513	29.8	124,184	3,009	75,225	25.0	28,586
Thunder Bay	5,819	215,885	37.1	58,289	1,607	46,282	28.8	15,273
Timiskaming	14,278	436,907	30.6	117,965	4,573	139,477	30.5	54,396
Victoria	50,294	1,473,614	29.3	368,404	15,041	391,066	26.0	132,962
Waterloo	47,649	1,677,245	35.2	436,084	7,657	253,447	33.1	98,844
Welland	23,094	563,494	24.4	146,508	2,131	56,045	26.3	21,297
Wellington	79,767	2,807,798	35.2	701,950	19,900	660,680	33.2	244,452
Wentworth	27,524	756,910	27.5	196,797	4,873	142,779	29.3	54,256
York	60,627	2,231,074	36.8	557,769	19,231	621,161	32.3	236,041
The Province:								
1932	2,338,569	75,517,411	32.3	18,878,732	456,000	13,771,000	30.2	4,958,004
1931	2,330,128	77,979,490	33.5	19,499,057	437,588	13,407,038	30.6	4,898,775

PEAS AND BEANS

TABLE IX.—Showing by County Municipalities of Ontario the area, produce and market value of Peas and Beans for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Peas				Beans			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
Algoma	853	16,634	19.5	10,014	15	195	13.0	95
Brant	478	8,604	18.0	5,507	441	7,056	16.0	3,387
Bruce	3,118	59,554	19.1	38,115	37	555	15.0	283
Carleton	656	11,808	18.0	7,439	102	1,377	13.5	799
Cochrane	120	2,400	20.0	1,440	2	26	13.0	13
Dufferin	875	20,213	23.1	11,319	25	375	15.0	218
Dundas	87	1,523	17.5	914	159	2,783	17.5	1,475
Durham	4,863	83,157	17.1	53,220	501	8,267	16.5	3,885
Elgin	724	11,584	16.0	7,530	10,850	199,640	18.4	95,228
Essex	595	8,925	15.0	5,891	604	10,268	17.0	5,031
Frontenac	38	688	18.1	427	88	1,276	14.5	638
Glengarry	35	553	15.8	346	70	1,316	18.8	658
Grenville	39	745	19.1	436	64	960	15.0	509
Grey	1,985	36,326	18.3	24,338	56	728	13.0	349
Haldimand	920	14,720	16.0	9,421	236	4,201	17.8	2,016
Haliburton	58	829	14.3	489	5	80	16.0	43
Halton	268	5,494	20.5	3,461	36	468	13.0	225
Hastings	1,124	19,782	17.6	12,463	164	2,542	15.5	1,296
Huron	2,340	43,992	18.8	29,475	9,215	165,870	18.0	82,935
Kenora	16	320	20.0	198	....	....	....	....
Kent	388	5,820	15.0	3,492	29,914	496,581	16.6	243,325
Lambton	641	10,961	17.1	6,577	1,708	29,036	17.0	13,647
Lanark	549	10,596	19.3	6,781	95	1,321	13.9	621
Leeds	62	1,147	18.5	746	80	1,128	14.1	575
Lennox & Add'gton	752	13,160	17.5	8,554	62	899	14.5	441
Lincoln	152	2,341	15.4	1,545	79	1,319	16.7	660
Manitoulin	1,351	25,399	18.8	17,271	38	570	15.0	274
Middlesex	1,027	19,924	19.4	13,548	3,483	61,649	17.7	31,441
Muskoka	184	3,183	17.3	2,164	12	180	15.0	92
Nipissing	532	9,842	18.5	6,693	24	240	10.0	122
Norfolk	315	5,985	19.0	3,980	556	10,008	18.0	4,842
Northumberland	2,249	40,482	18.0	26,313	238	3,641	15.3	1,784
Ontario	1,353	24,354	18.0	16,074	77	1,232	16.0	604
Oxford	912	17,328	19.0	11,436	174	2,975	17.1	1,398
Parry Sound	582	11,116	19.1	7,559	9	131	14.5	71
Peel	404	7,110	17.6	4,337	52	780	15.0	359
Perth	885	18,585	21.0	11,894	195	3,257	16.7	1,629
Peterborough	2,411	48,943	20.3	32,792	38	589	15.5	289
Prescott	415	6,433	15.5	4,214	148	2,679	18.1	1,340
Prince Edward	1,748	27,968	16.0	17,900	185	2,812	15.2	1,378
Rainy River	52	988	19.0	613	9	90	10.0	50
Renfrew	11,448	192,326	16.8	125,011	258	4,309	16.7	2,241
Russell	208	3,557	17.1	2,241	165	2,063	12.5	1,093
Simcoe	4,545	81,810	18.0	53,586	580	8,990	15.5	4,226
Stormont	37	666	18.0	413	72	958	13.3	489
Sudbury	679	13,580	20.0	9,099	19	190	10.0	103
Thunder Bay	161	3,494	21.7	2,341	5	60	12.0	32
Timiskaming	619	12,318	19.9	8,376	3	30	10.0	20
Victoria	2,297	38,590	16.8	25,662	45	675	15.0	344
Waterloo	736	15,088	20.5	9,958	65	1,040	16.0	510
Welland	60	900	15.0	531	466	7,503	16.1	3,752
Wellington	1,133	23,227	20.5	14,865	64	1,056	16.5	517
Wentworth	393	6,288	16.0	4,150	146	2,263	15.5	1,132
York	1,063	19,984	18.8	13,189	87	1,322	15.2	648
The Province:								
1932	59,535	1,071,344	18.0	696,348	61,821	1,059,559	17.1	519,132
1931	58,944	972,832	16.5	608,586	76,312	1,184,172	15.5	685,934

RYE AND BUCKWHEAT

TABLE X.—Showing by County Municipalities of Ontario the area, produce and market value of Rye and Buckwheat for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Rye				Buckwheat			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
Algoma	122	2,440	20.0	903	98	1,960	20.0	784
Brant	4,208	87,526	20.8	30,634	3,177	61,952	19.5	21,683
Bruce	123	2,116	17.2	741	4,771	99,237	20.8	33,741
Carleton	227	4,540	20.0	1,771	4,511	114,753	25.4	39,590
Cochrane	18	288	16.0	109	11	209	19.0	84
Dufferin	1,216	26,630	21.9	8,788	2,728	68,200	25.0	24,552
Dundas	33	660	20.0	264	2,362	54,326	23.0	19,014
Durham	4,556	70,162	15.4	24,557	8,314	205,356	24.7	69,821
Elgin	1,500	28,950	19.3	11,580	6,412	133,370	20.8	44,679
Essex	1,133	22,660	20.0	7,931	1,483	30,402	20.5	10,337
Frontenac	318	6,519	20.5	2,608	1,458	38,783	26.6	13,574
Glengarry	92	1,564	17.0	579	2,419	61,685	25.5	21,343
Grenville	51	1,010	19.8	404	4,729	121,535	25.7	40,107
Grey	278	5,310	19.1	1,752	4,349	111,334	25.6	37,408
Haldimand	578	9,826	17.0	3,636	1,651	31,369	19.0	10,352
Haliburton	64	1,011	15.8	324	360	7,308	20.3	2,558
Halton	126	3,024	24.0	1,300	875	23,100	26.4	8,316
Hastings	1,522	24,809	16.3	10,420	5,469	115,943	21.2	39,768
Huron	184	4,048	22.0	1,214	10,851	261,509	24.1	91,528
Kenora	18	306	17.0	110	....	....	....	....
Kent	1,074	21,802	20.3	8,503	4,225	90,415	21.4	30,379
Lambton	205	3,895	19.0	1,363	845	16,900	20.0	5,746
Lanark	186	3,553	19.1	1,244	3,916	101,424	25.9	33,571
Leeds	102	1,785	17.5	625	4,088	99,338	24.3	31,788
Lennox & Add'gton	335	5,662	16.9	2,152	3,432	78,593	22.9	27,508
Lincoln	267	5,073	19.0	1,978	201	4,362	21.7	1,527
Manitoulin	29	464	16.0	167	204	4,631	22.7	1,760
Middlesex	715	13,657	19.1	5,053	5,349	116,073	21.7	37,724
Muskoka	36	540	15.0	221	207	4,016	19.4	1,606
Nipissing	182	3,276	18.0	1,081	244	4,880	20.0	1,806
Norfolk	8,617	146,489	17.0	55,666	6,230	124,600	20.0	43,610
Northumberland	5,395	102,505	19.0	38,952	12,818	275,587	21.5	90,944
Ontario	3,548	59,252	16.7	21,331	11,987	279,297	23.3	97,754
Oxford	1,599	30,381	19.0	12,152	5,896	132,660	22.5	45,768
Parry Sound	71	1,086	15.3	369	108	2,452	22.7	956
Peel	863	18,123	21.0	6,706	1,338	26,760	20.0	9,634
Perth	124	2,356	19.0	754	4,094	107,263	26.2	38,615
Peterborough	840	15,120	18.0	5,292	4,979	115,015	23.1	39,105
Prescott	132	2,389	18.1	717	1,314	34,295	26.1	12,003
Prince Edward	2,686	42,976	16.0	15,471	5,137	102,740	20.0	39,041
Rainy River	33	660	20.0	231	42	840	20.0	336
Renfrew	4,096	65,536	16.0	24,248	4,378	117,768	26.9	47,107
Russell	92	1,564	17.0	563	1,626	40,487	24.9	16,600
Simcoe	5,154	88,382	17.1	33,585	15,595	383,637	24.6	130,437
Stormont	21	357	17.0	129	2,352	59,741	25.4	23,896
Sudbury	191	3,247	17.0	1,201	348	6,960	20.0	2,714
Thunder Bay	93	1,674	18.0	502	40	820	20.5	336
Timiskaming	16	269	16.8	97	137	3,014	22.0	1,206
Victoria	525	7,088	13.5	2,552	10,904	223,532	20.5	82,707
Waterloo	878	16,682	19.0	6,172	1,571	35,033	22.3	13,663
Welland	277	5,263	19.0	1,947	1,522	27,548	18.1	10,193
Wellington	216	3,708	17.5	1,361	6,229	151,365	24.3	54,491
Wentworth	845	15,295	18.1	5,659	1,702	33,870	19.9	13,548
York	1,690	30,420	18.0	11,255	7,466	162,759	21.8	61,848
The Province:								
1932	57,500	1,024,000	17.8	378,924	196,552	4,511,006	22.9	1,579,166
1931	61,701	1,104,754	17.9	462,594	178,719	3,665,584	20.5	1,551,607

FLAX AND MIXED GRAINS

TABLE XI.—Showing by County Municipalities of Ontario the area, produce and market value of Flax and Mixed Grains for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Flax				Mixed Grains			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
Algoma	23	184	8.0	182	2,870	100,450	35.0	35,861
Brant	16	128	8.0	115	23,474	744,126	31.7	260,444
Bruce	808	8,888	11.0	8,532	34,429	1,132,714	32.9	348,876
Carleton	44	396	9.0	352	17,462	598,947	34.3	197,653
Cochrane	3	27	9.0	24	545	17,985	33.0	6,475
Dufferin	48	384	8.0	338	34,001	1,128,033	33.2	315,849
Dundas	28	224	8.0	202	25,832	883,454	34.2	313,626
Durham	76	608	8.0	553	31,229	993,082	31.8	332,682
Elgin	53	477	9.0	425	20,222	653,171	32.3	235,142
Essex	180	1,800	10.0	1,602	5,047	170,084	33.7	59,529
Frontenac	28	224	8.0	224	5,835	204,809	35.1	57,347
Glengarry	8	72	9.0	65	3,056	96,570	31.6	33,800
Grenville	24	216	9.0	192	7,264	252,061	34.7	78,139
Grey	324	2,916	9.0	2,566	52,462	1,741,738	33.2	487,687
Haldimand	86	817	9.5	817	17,119	496,451	29.0	168,793
Haliburton	7	63	9.0	57	670	18,090	27.0	6,151
Halton	16	160	10.0	131	13,788	526,702	38.2	168,545
Hastings	45	360	8.0	320	14,357	460,860	32.1	147,475
Huron	1,392	13,920	10.0	12,277	55,653	2,092,553	37.6	732,394
Kenora	7	56	8.0	50	174	5,742	33.0	1,837
Kent	72	576	8.0	507	11,687	364,634	31.2	122,152
Lambton	469	4,690	10.0	4,174	25,448	801,612	31.5	272,548
Lanark	32	256	8.0	230	11,807	404,980	34.3	131,214
Leeds	45	405	9.0	365	8,074	265,635	32.9	82,347
Lennox & Add'gton	24	192	8.0	173	11,450	364,110	31.8	112,874
Lincoln	12	120	10.0	108	5,883	178,843	30.4	53,653
Manitoulin	18	180	10.0	160	3,441	113,553	33.0	38,040
Middlesex	229	2,176	9.5	1,893	28,643	956,676	33.4	339,620
Muskoka	7	49	7.0	44	744	24,552	33.0	8,348
Nipissing	22	198	9.0	178	1,771	65,527	37.0	22,279
Norfolk	12	96	8.0	86	8,297	240,613	29.0	69,778
Northumberland	59	502	8.5	452	20,500	617,050	30.1	197,456
Ontario	24	199	8.3	177	43,219	1,434,871	33.2	459,159
Oxford	82	656	8.0	584	58,412	1,986,008	34.0	659,355
Parry Sound	13	117	9.0	105	1,660	56,274	33.9	20,821
Peel	60	600	10.0	522	19,543	723,091	37.0	231,389
Perth	201	2,010	10.0	1,769	51,541	1,896,709	36.8	682,815
Peterborough	28	224	8.0	179	7,326	234,432	32.0	82,051
Prescott	36	288	8.0	259	2,526	81,085	32.1	25,947
Prince Edward	20	180	9.0	162	7,996	239,880	30.0	69,565
Rainy River	404	4,848	12.0	4,218	312	10,140	32.5	2,941
Renfrew	92	736	8.0	552	5,149	171,462	33.3	56,582
Russell	116	1,160	10.0	1,160	6,169	193,090	31.3	59,858
Simcoe	369	3,506	9.5	3,226	40,187	1,306,078	32.5	417,945
Stormont	24	192	8.0	171	8,175	277,950	34.0	102,842
Sudbury	32	320	10.0	288	1,236	33,372	27.0	11,680
Thunder Bay	....	....	....	....	1,247	43,645	35.0	13,094
Timiskaming	42	378	9.0	340	1,358	49,160	36.2	17,698
Victoria	54	443	8.2	399	21,213	653,360	30.8	196,008
Waterloo	183	1,830	10.0	1,702	39,333	1,380,588	35.1	496,400
Welland	8	64	8.0	57	4,265	120,700	28.3	35,003
Wellington	175	1,575	9.0	1,481	96,767	3,444,905	35.6	1,171,268
Wentworth	34	289	8.5	260	21,585	710,147	32.9	198,841
York	66	594	9.0	535	43,708	1,564,746	35.8	547,661
The Province:								
1932	6,280	61,569	9.8	55,540	986,161	33,327,100	33.8	10,997,537
1931	7,325	79,555	10.9	83,812	1,012,347	35,155,615	34.7	12,510,754

CORN

TABLE XII.—Showing by County Municipalities of Ontario the area, produce and market value of Corn for husking and for fodder for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Corn for Husking				Corn for Silo			
	Acres	Bushels (in the ear)	Per acre	Market value	Acres	Tons (green)	Per acre	Market value
				$				$
Algoma	84	1,680	20.0	412	95	831	8.75	2,077
Brant	1,856	83,520	45.0	25,056	7,937	73,417	9.25	183,542
Bruce	121	5,445	45.0	1,639	3,765	34,826	9.25	87,065
Carleton	358	12,530	35.0	3,759	13,106	125,818	9.60	314,545
Cochrane	3	60	20.0	14	......	....	....	....
Dufferin	14	504	36.0	146	346	3,028	8.75	7,570
Dundas	231	9,240	40.0	2,772	8,523	71,593	8.40	178,982
Durham	206	9,270	45.0	2,874	4,867	52,320	10.75	130,800
Elgin	8,180	547,060	66.9	166,853	14,908	135,812	9.11	339,530
Essex	48,527	3,129,992	64.5	938,998	6,145	50,082	8.15	125,205
Frontenac	540	23,220	43.0	7,198	4,170	29,774	7.14	74,435
Glengarry	107	4,494	42.0	1,393	5,085	44,901	8.83	112,252
Grenville	343	15,161	44.2	5,079	5,258	48,637	9.25	121,593
Grey	49	1,715	35.0	480	4,424	36,144	8.17	90,360
Haldimand	759	45,540	60.0	14,573	3,581	32,229	9.00	80,573
Haliburton	40	1,000	25.0	250	177	885	5.00	2,213
Halton	88	4,400	50.0	1,364	3,171	31,710	10.00	79,275
Hastings	1,261	52,962	42.0	17,477	5,694	47,431	8.33	118,578
Huron	773	42,515	55.0	12,755	5,292	53,290	10.07	133,225
Kenora	....	....	....	....	13	107	8.25	268
Kent	37,049	2,030,285	54.8	588,783	12,356	111,451	9.02	278,627
Lambton	7,591	446,351	58.8	138,369	14,950	121,245	8.11	303,113
Lanark	709	31,409	44.3	9,423	5,836	49,898	8.55	124,745
Leeds	974	43,830	45.0	14,026	8,917	80,966	9.08	202,415
Lennox & Add'gton	440	19,140	43.5	6,125	2,992	25,911	8.66	64,778
Lincoln	1,673	96,365	57.6	29,873	3,679	32,559	8.85	81,397
Manitoulin	35	805	23.0	201	321	2,834	8.83	7,085
Middlesex	3,003	145,045	48.3	44,964	22,391	204,878	9.15	512,195
Muskoka	31	961	31.0	259	318	1,908	6.00	4,770
Nipissing	22	506	23.0	127	81	715	8.83	1,788
Norfolk	6,894	361,935	52.5	112,200	7,279	57,868	7.95	144,670
Northumberland	620	24,800	40.0	7,440	4,959	41,904	8.45	104,760
Ontario	322	16,100	50.0	4,830	7,658	78,495	10.25	196,237
Oxford	1,569	90,218	57.5	26,163	22,551	208,597	9.25	521,492
Parry Sound	37	1,110	30.0	289	94	917	9.75	2,292
Peel	54	2,160	40.0	648	3,556	27,630	7.77	69,075
Perth	127	5,715	45.0	1,657	8,219	79.313	9.65	198,282
Peterborough	90	2,970	33.0	861	4,114	38,219	9.29	95,548
Prescott	655	28.165	43.0	9,576	5,089	44,529	8.75	111,323
Prince Edward	609	33,495	55.0	10,049	2,231	18,964	8.50	47,410
Rainy River	20	540	27.0	130	76	654	8.60	1,635
Renfrew	138	4,968	36.0	1,490	2,811	25,496	9.07	63,740
Russell	178	7,654	43.0	2,373	5,220	53,244	10.20	133,110
Simcoe	286	10,010	35.0	2,903	4,921	46,750	9.50	116,875
Stormont	372	15,475	41.6	4,952	5,822	56,473	9.70	141,183
Sudbury	10	200	20.0	54	34	293	8.61	733
Thunder Bay	18	360	20.0	86	4	32	8.00	80
Timiskaming	6	120	20.0	29	6	48	8.00	120
Victoria	74	2,220	30.0	644	4,406	40,756	9.25	101,890
Waterloo	135	6,075	45.0	1,823	6,965	60,944	8.75	152,360
Welland	2,391	136,287	57.0	43,612	3,907	30.279	7.75	75,698
Wellington	147	6,174	42.0	1,852	4,859	45,092	9.28	112,730
Wentworth	324	17,820	55.0	5,168	5,905	51,255	8.68	128,137
York	114	5,358	47.0	1,554	6,259	61,025	9.75	152,562
The Province:								
1932	130,257	7,584,934	58.2	2,275,625	285,343	2,573,977	9.02	6,434,943
1931	123,960	8,151,239	65.8	2,157,322	264,286	2,301,527	8.71	9,206,108

POTATOES AND TURNIPS

TABLE XIII.—Showing by County Municipalities of Ontario the area, produce and market value of Potatoes and Turnips for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Potatoes				Turnips			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
Algoma	1,478	137,306	92.9	65,907	374	114,444	306	9,156
Brant	2,691	258,336	96.0	116,251	1,647	576,450	350	46,116
Bruce	3,411	342,464	100.4	136,986	2,262	746,460	330	59,717
Carleton	5,322	556,149	104.5	233,583	1,233	409,356	332	32,749
Cochrane	933	113,826	122.0	51,222	76	23,712	312	1,897
Dufferin	6,622	702,594	105.5	281,038	1,434	623,790	435	49,903
Dundas	1,472	159,712	108.5	68,676	182	65,156	358	5,213
Durham	3,629	393,021	108.3	161,139	1,887	801,975	425	64,158
Elgin	3,230	331,075	102.5	139,052	207	51,750	250	4,140
Essex	4,949	498,364	100.7	199,346	100	25,500	255	2,040
Frontenac	2,397	267,266	111.5	136,306	223	72,475	325	5,798
Glengarry	1,751	220,276	125.8	94,718	212	55,756	263	4,460
Grenville	2,047	248,711	121.5	96,997	188	59,784	318	4,783
Grey	4,920	499,872	101.6	209,946	3,152	1,260,800	400	100,864
Haldimand	784	72,520	92.5	32,634	44	9,680	220	774
Haliburton	484	44,673	92.3	20,103	89	21,627	243	1,730
Halton	1,746	168,314	96.4	70,692	1,076	295,900	275	23,672
Hastings	3,821	480,682	125.8	211,500	788	340,416	432	27,233
Huron	3,270	299,205	91.5	125,666	2,860	958,100	335	76,648
Kenora	434	35,458	81.7	15,247	14	3,570	255	286
Kent	4,587	549,064	119.7	208,644	70	19,250	275	1,540
Lambton	2,775	257,520	92.8	95,282	283	77,825	275	6,226
Lanark	1,710	213,408	124.8	83,229	494	150,670	305	12,054
Leeds	2,164	269,634	124.6	113,246	346	122,830	355	9,826
Lennox & Add'gton	2,099	249,151	118.7	94,677	96	27,360	285	2,189
Lincoln	1,039	99,225	95.5	49,613	56	19,600	350	1,568
Manitoulin	594	63,974	107.7	30,068	112	31,920	285	2,554
Middlesex	5,349	556,296	104.0	211,392	1,126	394,100	350	31,528
Muskoka	921	99,929	108.5	40,971	296	94,720	320	7,578
Nipissing	1,717	218,918	127.5	91,946	332	112,216	338	8,977
Norfolk	2,618	251,852	96.2	123,407	251	79,065	315	6,325
Northumberland	3,232	301,546	93.3	117,603	2,259	903,600	400	72,288
Ontario	6,489	684,590	105.5	232,761	4,945	2,249,975	455	179,998
Oxford	2,175	224,678	103.3	94,365	4,351	1,740,400	400	139,232
Parry Sound	1,279	141,330	110.5	55,119	412	109,180	265	8,734
Peel	2,894	253,225	87.5	83,564	714	267,750	375	21,420
Perth	2,577	204,872	79.5	88,095	2,844	1,052,280	370	84,182
Peterborough	2,083	180,180	86.5	73,874	1,560	639,600	410	51,168
Prescott	2,170	235,445	108.5	105,950	200	49,000	245	3,920
Prince Edward	1,166	121,380	104.1	50,980	91	25,025	275	2,002
Rainy River	777	71,096	91.5	32,704	126	42,840	340	3,427
Renfrew	4,001	364,491	91.1	153,086	321	93,090	290	7,447
Russell	1,714	177,570	103.6	76,355	496	153,760	310	12,301
Simcoe	11,549	1,158,365	100.3	463,346	4,913	2,230,502	454	178,440
Stormont	1,517	163,078	107.5	75,016	63	18,900	300	1,512
Sudbury	2,464	225,949	91.7	106,196	304	106,400	350	8,512
Thunder Bay	2,427	228,381	94.1	118,758	487	158,275	325	12,662
Timiskaming	1,162	94,122	81.0	48,002	254	67,056	264	5,364
Victoria	1,501	134,340	89.5	59,110	2,583	880,803	341	70,464
Waterloo	2,948	272,985	92.6	117,384	3,226	1,290,400	400	103,232
Welland	1,410	101,802	72.2	43,775	42	17,430	415	1,394
Wellington	5,913	529,214	89.5	222,270	6,927	2,770,800	400	221,664
Wentworth	5,794	509,872	88.0	209,048	1,357	407,100	300	32,568
York	8,046	822,301	102.2	328,920	5,967	2,535,975	425	202,878
The Province:								
1932	156,252	15,859,607	101.5	6,565,765	65,952	25,456,398	386	2,036,511
1931	168,158	20,026,501	119.1	4,735,770	68,323	23,489,120	344	2,348,912

MANGELS AND SUGAR BEETS

TABLE XIV.—Showing by County Municipalities of Ontario the area, produce and market value of Mangels and Sugar Beets for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Mangels				Sugar Beets			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
Algoma	24	7,728	322	618	22	2,200	100	288
Brant	1,076	408,880	380	32,711	27	6,075	225	797
Bruce	1,306	541,990	415	43,359	41	7,585	185	995
Carleton	342	117,990	345	9,439	128	25,600	200	3,360
Cochrane	10	3,150	315	252	8	800	100	105
Dufferin	212	90,100	425	7,208	60	12,600	210	1,654
Dundas	118	42,480	360	3,399	125	28,125	225	3,691
Durham	945	378,000	400	30,240	36	8,100	225	1,063
Elgin	439	158,040	360	12,643	283	99,050	350	13,000
Essex	734	275,250	375	22,020	5,381	2,152,400	400	282,503
Frontenac	40	11,800	295	944	63	12,096	192	1,588
Glengarry	86	23,650	275	1,892	40	7,600	190	998
Grenville	55	16,500	300	1,320	52	9,620	185	1,262
Grey	1,651	640,588	388	51,247	155	33,325	215	4,374
Haldimand	150	39,000	260	3,120	44	7,700	175	1,011
Haliburton	20	4,900	245	392	20	3,000	150	394
Halton	803	260,975	325	20,878	27	8,100	300	1,063
Hastings	189	75,600	400	6,048	141	31,584	224	4,145
Huron	2,274	909,600	400	72,768	273	95,550	350	12,541
Kenora	6	1,470	245	118	1	100	100	13
Kent	475	190,000	400	15,200	19,679	8,363,575	425	1,097,719
Lambton	524	217,460	415	17,397	4,169	1,675,938	402	219,967
Lanark	147	44,100	300	3,528	65	10,400	160	1,365
Leeds	90	31,500	350	2,520	42	10,836	258	1,422
Lennox & Add'gton	62	16,802	271	1,344	27	6,075	225	797
Lincoln	144	61,200	425	4,896	100	32,500	325	4,266
Manitoulin	25	7,500	300	600	10	1,000	100	131
Middlesex	1,120	468,160	418	37,453	1,090	381,500	350	50,072
Muskoka	31	10,850	350	868	5	775	155	102
Nipissing	37	13,616	368	1,089	18	2,880	160	378
Norfolk	244	91,500	375	7,320	71	25,560	360	3,355
Northumberland	642	247,170	385	19,774	62	13,020	210	1,709
Ontario	1,817	772,225	425	61,778	33	7,920	240	1,040
Oxford	1,893	851,850	450	68,148	93	18,600	200	2,441
Parry Sound	44	11,000	250	880	21	4,200	200	551
Peel	488	202,520	415	16,202	32	7,520	235	987
Perth	2,540	1,122,680	442	89,814	26	5,590	215	734
Peterborough	472	186,440	395	14,915	25	4,000	160	525
Prescott	64	16,000	250	1,280	64	12,800	200	1,680
Prince Edward	73	22,630	310	1,810	18	3,600	200	473
Rainy River	42	14,196	338	1,136	10	1,250	125	164
Renfrew	173	53,630	310	4,290	60	9,000	150	1,181
Russell	76	22,040	290	1,763	32	5,920	185	777
Simcoe	1,538	630,580	410	50,446	240	72,000	300	9,450
Stormont	57	17,955	315	1,436	38	6,650	175	873
Sudbury	40	14,400	360	1,152	33	4,125	125	541
Thunder Bay	45	14,490	322	1,159	2	200	100	26
Timiskaming	29	7,685	265	615	11	1,375	125	180
Victoria	612	189,720	310	15,178	28	5,600	200	735
Waterloo	2,067	895,011	433	71,601	5	875	175	115
Welland	90	27,000	300	2,160	48	10,320	215	1,355
Wellington	2,019	884,322	438	70,746	34	8,500	250	1,116
Wentworth	1,108	454,280	410	36,342	66	19,800	300	2,599
York	2,489	963,243	387	77,059	72	17,280	240	2,268
The Province:								
1932	31,797	12,781,446	402	1,022,515	33,256	13,302,394	400	1,745,939
1931	32,399	11,855,500	366	1,185,550	35,258	13,105,869	372	1,965,880

ALSIKE AND SWEET CLOVER

TABLE XV.—Showing by County Municipalities of Ontario the area, produce and market value of Alsike and Sweet Clover for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Alsike				Sweet Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
Algoma	303	379	1.25	2,319	228	399	1.75	2,115
Brant	434	694	1.60	5,309	6,009	12,018	2.00	78,718
Bruce	3,388	4,777	1.41	33,439	8,888	19,376	2.18	106,568
Carleton	1,518	2,277	1.50	14,459	4,252	8,504	2.00	51,024
Cochrane	294	588	2.00	4,410	153	306	2.00	1,530
Dufferin	3,066	4,599	1.50	27,594	8,780	17,560	2.00	87,800
Dundas	1,302	1,966	1.51	11,010	2,028	4,056	2.00	16,224
Durham	1,635	2,453	1.50	13,001	11,736	21,477	1.83	107,385
Elgin	1,509	2,520	1.67	16,884	10,230	22,199	2.17	144,294
Essex	1,388	2,290	1.65	17,633	9,264	19,732	2.13	138,124
Frontenac	1,319	1,979	1.50	11,874	2,282	5,317	2.33	26,585
Glengarry	1,086	1,499	1.38	7,870	1,322	2,803	2.12	11,212
Grenville	628	973	1.55	6,383	2,539	5,865	2.31	35,190
Grey	4,390	7,024	1.60	42,144	9,764	21,676	2.22	93,207
Haldimand	5,214	7,404	1.42	46,275	3,907	8,400	2.15	35,700
Haliburton	68	95	1.40	732	520	910	1.75	5,688
Halton	1,095	1,643	1.50	11,501	3,203	7,367	2.30	46,044
Hastings	4,132	5,785	1.40	40,495	8,260	17,263	2.09	91,494
Huron	2,468	4,023	1.63	23,132	19,626	44,159	2.25	203,131
Kenora	923	1,154	1.25	7,732	82	115	1.40	690
Kent	3,534	6,185	1.75	34,636	6,670	16,275	2.44	77,306
Lambton	3,615	6,254	1.73	32,834	13,169	27,787	2.11	104,201
Lanark	2,041	3,000	1.47	22,500	4,957	11,005	2.22	55,025
Leeds	1,211	1,974	1.63	13,818	2,031	4,732	2.33	26,972
Lennox & Add'gton	1,307	1,438	1.10	7,550	4,008	9,539	2.38	40,541
Lincoln	1,236	2,064	1.67	16,512	1,632	3,868	2.37	27,076
Manitoulin	479	685	1.43	3,699	886	1,772	2.00	7,974
Middlesex	3,232	5,591	1.73	34,664	18,069	46,618	2.58	209,781
Muskoka	303	397	1.31	3,057	324	535	1.65	3,478
Nipissing	221	294	1.33	2,558	200	426	2.13	3,110
Norfolk	1,202	1,803	1.50	12,170	5,300	11,130	2.10	61,215
Northumberland	1,722	3,014	1.75	17,180	13,534	29,775	2.20	132,499
Ontario	1,752	2,768	1.58	16,470	11,473	24,667	2.15	104,835
Oxford	697	1,324	1.90	9,268	12,903	35,483	2.75	221,769
Parry Sound	353	487	1.38	3,896	90	158	1.75	1,185
Peel	3,454	5,181	1.50	36,267	4,925	9,850	2.00	59,100
Perth	897	1,346	1.50	8,076	12,413	28,550	2.30	128,475
Peterborough	1,231	1,847	1.50	13,391	6,833	15,033	2.20	90,198
Prescott	853	1,032	1.21	7,224	1,050	1,575	1.50	9,450
Prince Edward	1,793	2,690	1.50	12,778	6,360	11,448	1.80	48,654
Rainy River	599	689	1.15	3,927	252	567	2.25	3,119
Renfrew	1,601	1,601	1.00	12,008	3,528	5,292	1.50	34,927
Russell	407	488	1.20	2,928	1,626	2,439	1.50	14,024
Simcoe	11,481	16,647	1.45	113,699	15,241	41,913	2.75	216,271
Stormont	912	1,368	1.50	7,387	1,397	3,143	2.25	15,715
Sudbury	354	531	1.50	4,089	835	1,336	1.60	9,352
Thunder Bay	320	426	1.33	2,641	479	1,015	2.12	5,836
Timiskaming	1,672	2,174	1.30	11,957	190	285	1.50	1,496
Victoria	3,869	5,030	1.30	40,240	9,158	17,400	1.90	126,150
Waterloo	203	365	1.80	2,555	10,946	27,912	2.55	181,428
Welland	716	931	1.30	6,750	2,235	4,470	2.00	30,173
Wellington	1,316	2,171	1.65	11,398	17,748	34,496	2.00	172,480
Wentworth	604	972	1.61	6,804	5,499	11,328	2.06	67,968
York	3,766	6,779	1.80	38,979	9,518	23,795	2.50	127,303
The Province:								
1932	95,113	143,668	1.51	918,106	318,552	705,119	2.21	3,701,809
1931	97,128	152,516	1.57	1,276,341	306,067	669,446	2.19	4,519,783

ALFALFA AND HAY AND CLOVER

TABLE XVI.—Showing by County Municipalities of Ontario the area, produce and market value of Alfalfa, Hay and Clover for the year 1932, together with the comparative totals for the Province for 1931.

Counties and Districts	Alfalfa				Hay and Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
Algoma	205	318	1.55	3,393	26,890	40,335	1.50	349,704
Brant	13,089	36,649	2.80	305,286	21,939	37,516	1.71	268,990
Bruce	24,393	63,666	2.61	544,344	100,611	145,886	1.45	854,892
Carleton	4,613	10,841	2.35	105,700	94,441	125,607	1.33	879,256
Cochrane	159	318	2.00	3,180	10,431	12,726	1.22	114,534
Dufferin	7,214	19,478	2.70	136,346	55,073	94,726	1.72	530,466
Dundas	1,812	4,258	2.35	43,645	52,277	73,188	1.40	506,461
Durham	4,690	11,725	2.50	110,215	45,314	73,862	1.63	640,384
Elgin	13,877	35,803	2.58	259,572	56,948	107,062	1.88	565,287
Essex	17,580	48,345	2.75	354,369	23,537	44,720	1.90	313,040
Frontenac	5,240	14,724	2.81	117,792	72,416	112,245	1.55	729,593
Glengarry	1,272	2,760	2.17	20,700	60,120	73,346	1.22	425,407
Grenville	2,580	6,140	2.38	49,120	48,887	73,819	1.51	553,643
Grey	46,341	127,438	2.75	1,064,107	121,352	201,444	1.66	1,329,530
Haldimand	27,071	75,257	2.78	537,335	35,362	62,591	1.77	427,497
Haliburton	79	119	1.50	1,012	10,357	11,703	1.13	93,624
Halton	18,418	48,992	2.66	430,640	24,739	43,541	1.76	373,582
Hastings	15,054	38,839	2.58	434,997	88,322	144,848	1.64	1,071,875
Huron	22,892	62,953	2.75	519,362	98,330	159,295	1.62	869,751
Kenora	22	55	2.50	550	4,500	5,670	1.26	53,865
Kent	21,440	63,677	2.97	499,228	42,064	77,398	1.84	474,450
Lambton	21,296	62,823	2.95	378,194	58,661	112,629	1.92	536,114
Lanark	6,230	12,772	2.05	105,369	73,763	109,907	1.49	879,256
Leeds	4,239	11,445	2.70	123,949	74,820	109,237	1.46	1,045,398
Lennox & Add'gton	8,635	15,802	1.83	147,433	62,857	91,143	1.45	802,058
Lincoln	12,987	34,156	2.63	315,943	26,971	50,705	1.88	446,204
Manitoulin	1,847	4,858	2.63	45,179	19,847	28,580	1.44	252,361
Middlesex	19,312	56,198	2.91	469,253	87,541	172,456	1.97	1,164,078
Muskoka	72	97	1.35	1,019	28,988	38,264	1.32	382,640
Nipissing	56	84	1.50	882	27,456	34,320	1.25	343,200
Norfolk	11,517	31,096	2.70	240,994	38,312	65,230	1.70	399,860
Northumberland	8,944	22,360	2.50	201,240	51,418	86,382	1.68	647,865
Ontario	11,878	29,814	2.51	254,910	59,064	108,087	1.83	910,093
Oxford	15,303	43,614	2.85	318,382	63,924	115,702	1.81	767,104
Parry Sound	88	132	1.50	1,452	30,332	43,981	1.45	439,810
Peel	26,013	65,553	2.52	589,977	33,487	56,928	1.70	455,424
Perth	7,332	19,063	2.60	139,541	90,127	170,340	1.89	1,062,922
Peterborough	5,774	14,435	2.50	133,524	40,577	59,242	1.46	533,178
Prescott	753	1,355	1.80	10,840	63,783	84,831	1.33	657,440
Prince Edward	6,170	13,327	2.16	106,616	33,821	59,187	1.75	443,903
Rainy River	1,176	2,611	2.22	23,499	21,281	24,048	1.13	204,408
Renfrew	6,501	13,067	2.01	120,870	98,835	115,637	1.17	1,026,857
Russell	820	1,476	1.80	12,339	47,381	61,595	1.30	492,760
Simcoe	20,266	56,745	2.80	496,519	97,749	168,128	1.72	1,306,355
Stormont	1,491	3,221	2.16	27,379	47,793	63,087	1.32	515,421
Sudbury	147	184	1.25	1,610	25,680	30,302	1.18	242,416
Thunder Bay	451	875	1.94	7,438	21,144	29,179	1.38	233,432
Timiskaming	238	357	1.50	3,392	28,901	32,080	1.11	288,720
Victoria	5,213	13,450	2.58	110,963	51,830	64,788	1.25	518,304
Waterloo	8,844	23,260	2.63	168,635	42,773	79,986	1.87	552,703
Welland	5,059	12,900	2.55	103,200	41,621	70,339	1.69	532,466
Wellington	20,266	53,705	2.65	346,397	99,910	183,834	1.84	1,097,489
Wentworth	12,979	36,082	2.78	288,656	35,102	64,939	1.85	487,043
York	27,855	74,651	2.68	690,522	60,690	114,097	1.88	912,776
The Province:								
1932	527,793	1,403,923	2.66	11,527,009	2,780,349	4,420,718	1.59	32,005,889
1931	431,110	971,304	2.25	9,816,770	2,858,923	4,615,372	1.61	38,906,045

CARROTS—ALL FIELD CROPS

TABLE XVII.—Showing by County Municipalities of Ontario the area, produce and market value of Carrots and all Field Crops enumerated in Tables VII to XVII for the year 1932, together with the comparative totals for the Province of 1931

Counties and Districts	Carrots				All Field Crops		
	Acres	Bushels	Per acre	Market value	Acres	Value	Per acre
				$		$	$ c.
Algoma	26	3,250	125	260	51,476	654,906	12.72
Brant	15	1,650	110	132	137,411	1,822,590	13.26
Bruce	59	6,785	115	543	318,200	3,514,314	11.04
Carleton	115	23,000	200	1,840	231,937	2,580,950	11.13
Cochrane	10	1,250	125	100	21,920	282,068	12.87
Dufferin	3	315	105	25	186,230	2,047,672	11.00
Dundas	11	1,485	135	119	119,849	1,418,240	11.83
Durham	36	7,200	200	576	180,460	2,269,743	12.58
Elgin	27	5,400	200	432	215,998	2,673,115	12.38
Essex	154	26,950	175	2,156	246,804	3,618,400	14.66
Frontenac	30	3,450	115	276	135,240	1,497,085	11.07
Glengarry	24	3,600	150	288	126,777	1,111,133	8.76
Grenville	18	1,800	100	144	103,104	1,252,057	12.14
Grey	27	3,105	115	249	422,382	4,958,774	11.74
Haldimand	9	1,260	140	101	164,151	1,948,626	11.87
Haliburton	17	1,955	115	156	21,872	214,174	9.79
Halton	40	5,000	125	400	111,290	1,692,435	15.21
Hastings	72	12,600	175	1,008	236,975	2,958,467	12.48
Huron	30	3,300	110	264	395,751	4,531,510	11.45
Kenora	3	300	100	24	12,856	136,250	10.60
Kent	108	18,900	175	1,512	350,620	5,260,959	15.00
Lambton	84	11,760	140	941	292,214	3,326,375	11.38
Lanark	39	5,850	150	468	160,417	1,846,391	11.51
Leeds	24	3,000	125	240	153,697	2,049,362	13.33
Lennox and Addington	30	5,250	175	420	138,414	1,636,405	11.82
Lincoln	46	10,350	225	828	88,696	1,331,353	15.01
Manitoulin	2	200	100	16	40,421	512,791	12.69
Middlesex	49	9,065	185	725	344,305	4,507,623	13.09
Muskoka	40	5,400	135	432	44,566	572,482	12.85
Nipissing	30	3,000	100	240	53,367	675,593	12.66
Norfolk	59	8,850	150	708	143,302	1,661,495	11.59
Northumberland	50	6,500	130	520	200,686	2,281,621	11.37
Ontario	76	11,400	150	912	245,795	3,362,317	13.68
Oxford	5	500	100	40	271,526	3,677,700	13.54
Parry Sound	19	2,375	125	190	57,246	745,799	13.03
Peel	109	19,075	175	1,526	156,810	2,217,262	14.14
Perth	10	1,750	175	140	306,680	3,777,825	12.32
Peterborough	45	6,750	150	540	140,959	1,763,927	12.51
Prescott	25	3,125	125	250	143,088	1,497,622	10.47
Prince Edward	22	2,530	115	202	109,799	1,188,953	10.83
Rainy River	10	1,000	100	80	40,147	417,001	10.39
Renfrew	62	9,610	155	769	240,376	2,426,746	10.10
Russell	37	4,625	125	370	111,178	1,160,260	10.44
Simcoe	93	20,925	225	1,674	419,800	5,586,822	13.31
Stormont	14	2,030	145	162	104,970	1,244,184	11.85
Sudbury	64	9,600	150	768	51,529	564,295	10.95
Thunder Bay	31	3,100	100	248	35,187	480,115	13.64
Timiskaming	39	4,485	115	359	55,454	577,007	10.41
Victoria	28	3,640	130	291	189,563	1,963,737	10.36
Waterloo	18	1,980	110	158	194,382	2,675,578	13.76
Welland	20	2,000	100	160	101,515	1,188,633	11.71
Wellington	22	3,300	150	264	374,742	4,596,694	12.27
Wentworth	111	12,210	110	977	134,680	1,844,988	13.70
York	91	21,385	235	1,711	288,866	4,348,097	15.05
The Province:							
1932	2,238	349,175	156	27,934	9,225,680	114,150,521	12.37
1931	3,179	436,517	137	43,652	9,176,062	125,219,586	13.65

PASTURE, FALLOW, ORCHARD, SMALL FRUITS

TABLE XVIII.—Showing by County Municipalities the area in Cleared Pasture, Summer Fallow, Orchards and Small Fruits in 1932, together with totals for the Province for the past five years.

Counties and Districts	Cleared pasture	Summer fallow	Orchard	Small fruits	Total
	Acres	Acres	Acres	Acres	Acres
Algoma	10,054	989	291	171	11,505
Brant	24,622	3,330	3,620	504	32,076
Bruce	137,594	13,193	6,852	349	157,988
Carleton	89,137	380	1,675	307	91,499
Cochrane	4,079	50	....	8	4,137
Dufferin	57,423	3,747	1,941	106	63,217
Dundas	41,676	283	1,835	235	44,029
Durham	60,323	4,304	7,671	271	72,569
Elgin	72,227	3,369	5,947	874	82,417
Essex	35,796	2,250	5,400	1,901	45,347
Frontenac	72,895	230	1,274	234	74,633
Glengarry	47,598	128	966	99	48,791
Grenville	50,012	225	1,057	244	51,538
Grey	141,449	10,566	9,776	581	162,372
Haldimand	35,857	10,387	4,055	330	50,629
Haliburton	11,156	183	108	40	11,487
Halton	28,028	3,895	5,527	990	38,440
Hastings	103,722	2,153	3,522	443	109,840
Huron	151,704	10,445	11,162	667	173,978
Kenora	1,027	73	....	8	1,108
Kent	72,691	2,793	5,527	952	81,963
Lambton	124,492	5,806	8,800	752	139,850
Lanark	113,499	520	1,377	231	115,627
Leeds	81,437	288	1,403	292	83,420
Lennox and Addington	70,464	1,811	2,135	343	74,753
Lincoln	16,893	4,975	12,085	11,730	45,683
Manitoulin	13,065	122	168	24	13,379
Middlesex	183,308	7,555	9,885	1,022	201,770
Muskoka	16,617	421	228	74	17,340
Nipissing	13,522	124	24	69	13,739
Norfolk	39,642	4,881	7,294	2,174	53,991
Northumberland	70,618	2,409	10,845	696	84,568
Ontario	69,297	4,718	5,598	423	80,036
Oxford	74,368	3,586	7,349	480	85,783
Parry Sound	17,529	648	103	99	18,379
Peel	43,413	7,656	5,496	952	57,517
Perth	90,481	13,233	5,277	308	109,299
Peterborough	58,109	5,192	1,769	352	65,422
Prescott	57,555	62	568	133	58,318
Prince Edward	42,434	1,607	5,372	680	50,093
Rainy River	7,671	374	6	29	8,080
Renfrew	87,482	2,065	1,020	249	90,816
Russell	38,493	92	507	217	39,309
Simcoe	98,117	30,575	7,564	857	137,113
Stormont	44,378	115	1,005	186	45,684
Sudbury	11,292	229	20	73	11,614
Thunder Bay	5,125	164	101	138	5,528
Timiskaming	9,672	716	2	35	10,425
Victoria	62,966	3,282	1,491	191	67,930
Waterloo	25,896	6,155	4,099	326	36,476
Welland	22,259	8,764	5,511	1,836	38,370
Wellington	76,153	11,040	4,789	266	92,248
Wentworth	24,861	4,420	7,354	2,816	39,451
York	52,351	15,118	6,343	600	74,412
The Province					
1932	3,012,529	221,696	203,794	*37,967	3,475,986
1931	3,039,026	221,174	203,231	*38,011	3,501,442

*Including 8,719 acres in strawberries and 15,189 in vineyards in 1932; and 8,012 acres in strawberries, and 15,793 in vineyards in 1931.

MARKET PRICES

TABLE XIX.—The following table shows by Counties the average prices of agricultural products for 1932, together with the average prices for 1931.

Counties and Districts	Fall Wheat, per bush.	Spring Wheat per bush.	Oats, per bush.	Barley, per bush.	Peas, per bush.	Beans, per bush.	Rye, per bush.	Buckwheat, per bush.	Corn (in ear), per bush.	Hay, per ton.	Potatoes, per bush.
	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	$ c.	cts.
Algoma	44.0	43.0	28.0	38.0	60.2	48.5	37.0	40.0	24.5	8.67	48.0
Brant	46.0	45.0	25.0	33.0	64.0	48.0	35.0	38.0	30.0	7.17	45.0
Bruce	47.0	46.0	25.0	36.0	64.0	51.0	35.0	34.0	30.1	5.86	40.0
Carleton	43.0	42.0	25.0	33.0	63.0	58.0	39.0	34.5	30.0	7.00	42.0
Cochrane	50.0	49.0	29.0	40.0	60.0	50.5	38.0	40.5	24.0	9.00	45.0
Dufferin	47.0	46.0	25.0	33.0	56.0	58.0	33.0	36.0	29.0	5.60	40.0
Dundas	42.0	41.0	30.0	36.0	60.0	53.0	40.0	35.0	30.0	6.92	43.0
Durham	47.0	45.0	26.0	34.0	64.0	47.0	35.0	34.0	31.0	8.67	41.0
Elgin	45.0	44.0	27.0	35.0	65.0	47.7	40.0	33.5	30.5	5.28	42.0
Essex	45.0	43.0	24.0	34.6	66.0	49.0	35.0	34.0	30.0	7.00	40.0
Frontenac	44.0	45.0	24.0	39.0	62.0	50.0	40.0	35.0	31.0	6.50	51.0
Glengarry	50.0	46.0	22.0	36.0	62.5	50.0	37.0	34.6	31.0	5.80	43.0
Grenville	43.0	44.0	26.0	38.0	58.5	53.0	40.0	33.0	33.5	7.50	39.0
Grey	48.0	47.0	24.0	36.0	67.0	48.0	33.0	33.6	28.0	6.60	42.0
Haldimand	46.0	45.0	26.0	35.0	64.0	48.0	37.0	33.0	32.0	6.83	45.0
Haliburton	45.0	44.0	27.0	35.0	59.0	54.0	32.0	35.0	25.0	8.00	45.0
Halton	48.0	46.0	28.0	36.0	63.0	48.0	43.0	36.0	31.0	8.58	42.0
Hastings	47.0	45.0	25.4	35.5	63.0	51.0	42.0	34.3	33.0	7.40	44.0
Huron	46.0	45.0	24.0	35.0	67.0	50.0	30.0	35.0	30.0	5.46	42.0
Kenora	47.0	46.0	22.0	38.0	62.0	.....	36.0	.....	.....	9.50	43.0
Kent	45.0	42.0	25.0	36.0	60.0	49.0	39.0	33.6	29.0	6.13	38.0
Lambton	45.0	44.0	23.0	35.0	60.0	47.0	35.0	34.0	31.0	4.76	37.0
Lanark	44.0	43.0	24.0	34.5	64.0	47.0	35.0	33.1	30.0	8.00	39.0
Leeds	46.0	45.0	27.0	38.0	65.0	51.0	35.0	32.0	32.0	9.57	42.0
Lennox and Addington	49.0	47.0	28.0	35.2	65.0	49.0	38.0	35.0	32.0	8.80	38.0
Lincoln	47.0	46.0	26.0	34.3	66.0	50.0	39.0	35.0	31.0	8.80	50.0
Manitoulin	48.0	45.0	28.0	40.0	68.0	48.0	36.0	38.0	25.0	8.83	47.0
Middlesex	45.0	43.0	24.0	36.0	68.0	51.0	37.0	32.5	31.0	6.75	38.0
Muskoka	50.0	48.0	28.0	40.0	68.0	51.0	41.0	40.0	27.0	10.00	41.0
Nipissing	45.0	46.0	27.0	36.0	68.0	51.0	33.0	37.0	25.0	10.00	42.0
Norfolk	46.7	43.0	25.0	37.0	66.5	48.0	38.0	35.0	31.0	6.13	49.0
Northumberland	48.0	45.0	25.0	37.0	65.0	49.0	38.0	33.0	30.0	7.50	39.0
Ontario	47.0	45.0	26.0	35.0	66.0	49.0	36.0	35.0	30.0	8.42	34.0
Oxford	48.0	47.0	27.0	39.0	66.0	47.0	40.0	34.5	29.0	6.63	42.0
Parry Sound	49.0	47.0	27.0	39.0	68.0	54.0	34.0	39.0	26.0	10.00	39.0
Peel	48.0	45.0	26.0	39.0	61.0	46.0	37.0	36.0	30.0	8.00	33.0
Perth	46.0	45.0	24.0	35.0	64.0	50.0	32.0	36.0	29.0	6.24	43.0
Peterborough	48.0	45.0	24.0	36.0	67.0	49.0	35.0	34.0	29.0	9.00	41.0
Prescott	48.0	45.0	24.0	40.0	65.5	50.0	30.0	35.0	34.0	7.75	45.0
Prince Edward	47.0	45.0	23.0	34.0	64.0	49.0	36.0	38.0	30.0	7.50	42.0
Rainy River	47.0	46.0	22.0	32.0	62.0	55.0	35.0	40.0	24.0	8.50	46.0
Renfrew	46.0	46.7	25.0	35.0	65.0	52.0	37.0	40.0	30.0	8.88	42.0
Russell	48.0	46.0	21.0	40.0	63.0	53.0	36.0	41.0	31.0	8.00	43.0
Simcoe	45.0	43.0	25.0	36.0	65.5	47.0	38.0	34.0	29.0	7.77	40.0
Stormont	48.0	46.0	26.0	40.0	62.0	51.0	36.0	40.0	32.0	8.17	46.0
Sudbury	46.0	45.0	28.0	38.0	67.0	54.0	37.0	39.0	27.0	8.00	47.0
Thunder Bay	45.0	43.0	27.0	33.0	67.0	53.0	30.0	41.0	24.0	8.00	52.0
Timiskaming	46.0	45.0	27.0	39.0	68.0	65.0	36.0	40.0	24.0	9.00	51.0
Victoria	44.0	44.0	25.0	34.0	66.5	51.0	36.0	37.0	29.0	8.00	44.0
Waterloo	47.0	45.0	26.0	39.0	66.0	49.0	37.0	39.0	30.0	6.91	43.0
Welland	47.0	46.0	26.0	38.0	59.0	50.0	37.0	37.0	32.0	7.57	43.0
Wellington	47.0	45.0	25.0	37.0	64.0	49.0	36.0	36.0	30.0	5.97	42.0
Wentworth	48.0	46.0	26.0	38.0	66.0	50.0	37.0	40.0	29.0	7.50	41.0
York	47.0	45.0	25.0	38.0	66.0	49.0	37.0	38.0	29.0	8.00	40.0
The Province:											
1932	46.0	45.0	25.0	36.0	65.0	49.0	37.0	35.0	30.0	7.24	41.4
1931	51.6	50.9	25.0	36.5	62.6	57.9	41.9	42.3	26.5	8.43	23.6

HORSES ON HAND

TABLE XX.—Showing by County Municipalities the number and value of Horses on hand, June 15th, 1932, together with the totals for the Province for the past five years.

Counties and Districts	Stallions, 2 yrs. old and over	Mares, 2 yrs. old and over	Geldings, 2 yrs. old and over	Colts and Fillies, under 2 years	Total Horses	
					Number	Value
						$
Algoma	17	1,864	1,832	191	3,904	331,840
Brant	35	4,080	3,536	635	8,286	613,164
Bruce	53	9,751	8,261	2,060	20,125	1,489,250
Carleton	47	6,949	6,140	1,370	14,506	1,087,950
Cochrane	19	1,667	2,189	93	3,968	317,440
Dufferin	25	5,316	4,244	1,014	10,599	794,925
Dundas	26	4,012	3,528	802	8,368	602,496
Durham	36	5,613	4,661	953	11,263	844,725
Elgin	38	6,221	5,569	1,078	12,906	993,762
Essex	65	7,134	6,352	1,179	14,730	1,134,210
Frontenac	40	4,455	3,992	801	9,288	696,600
Glengarry	29	3,598	3,472	641	7,740	572,760
Grenville	17	3,124	2,812	431	6,384	478,800
Grey	64	12,613	10,938	2,364	25,979	2,000,383
Haldimand	20	4,282	3,734	746	8,782	676,214
Haliburton	6	632	622	87	1,347	98,331
Halton	33	3,194	2,817	459	6,503	487,725
Hastings	51	6,867	6,629	1,052	14,599	1,080,326
Huron	57	12,297	9,896	2,514	24,764	1,857,300
Kenora	5	502	751	27	1,285	98,945
Kent	76	9,567	8,759	1,975	20,377	1,548,652
Lambton	92	8,631	7,231	2,012	17,966	1,347,450
Lanark	36	4,599	4,017	888	9,540	705,960
Leeds	30	4,803	4,722	863	10,418	802,186
Lennox and Addington	48	4,255	4,043	724	9,070	671,180
Lincoln	36	3,046	3,040	242	6,364	477,300
Manitoulin	11	1,277	1,104	344	2,736	213,408
Middlesex	108	11,664	9,475	2,409	23,656	1,797,856
Muskoka	9	1,309	1,185	144	2,647	206,466
Nipissing	36	1,468	1,577	121	3,202	246,554
Norfolk	42	5,207	5,004	698	10,951	799,423
Northumberland	29	6,305	5,884	933	13,151	999,476
Ontario	37	7,597	6,131	1,098	14,863	1,084,999
Oxford	41	8,571	7,452	1,222	17,286	1,313,736
Parry Sound	25	2,086	1,884	220	4,215	328,770
Peel	48	4,802	3,709	852	9,411	705,825
Perth	53	9,931	8,098	1,985	20,067	1,505,025
Peterborough	42	4,341	3,962	722	9,067	670,958
Prescott	66	3,828	2,884	785	7,563	559,662
Prince Edward	16	3,429	3,057	406	6,908	497,376
Rainy River	13	1,061	1,165	107	2,346	187,680
Renfrew	71	6,989	5,964	1,351	14,375	1,078,125
Russell	33	3,462	2,363	759	6,617	476,424
Simcoe	99	13,259	11,322	2,149	26,829	2,012,175
Stormont	23	3,141	3,012	557	6,733	491,509
Sudbury	32	1,654	1,746	202	3,634	287,086
Thunder Bay	38	923	1,708	41	2,710	211,380
Timiskaming	21	1,737	1,800	165	3,723	294,117
Victoria	35	5,452	4,345	884	10,716	803,700
Waterloo	43	6,148	5,440	1,116	12,747	930,531
Welland	26	2,932	2,875	307	6,140	460,500
Wellington	76	10,286	8,637	1,844	20,843	1,500,696
Wentworth	14	4,464	4,206	467	9,151	704,627
York	73	8,489	7,593	1,112	17,267	1,329,559
The Province:						
1932	2,161	280,884	247,369	48,201	578,615	43,507,517
1931	2,542	278,994	248,224	48,397	578,157	50,528,572
1930	3,362	308,328	242,972	52,057	606,719	60,606,827
1929	3,396	310,856	240,893	51,360	606,505	66,603,793
1928	3,388	314,798	241,319	49,744	609,249	67,085,352

CATTLE ON HAND

TABLE XXI.—Showing by County Municipalities the number of Cattle on hand, June 15th, 1932, together with the totals for the Province for the past five years.

Counties and Districts	Bulls for breeding	Cows for milk purposes	Cows for beef purposes	Yearlings for milk purposes	Yearlings for beef purposes	Calves	All other cattle
Algoma	391	9,362	386	1,886	2,019	5,003	924
Brant	780	14,737	566	3,808	1,522	6,332	697
Bruce	1,383	35,347	3,356	5,745	20,789	24,590	14,980
Carleton	2,164	41,330	2,117	9,219	4,115	16,150	4,261
Cochrane	480	3,870	252	1,184	240	2,224	79
Dufferin	545	14,538	1,497	2,514	8,946	10,409	3,383
Dundas	1,807	26,263	806	5,958	106	8,007	520
Durham	667	16,989	1,991	3,349	5,576	9,309	2,496
Elgin	1,304	27,525	1,180	6,247	3,757	11,681	3,428
Essex	638	17,624	1,045	3,592	781	6,265	346
Frontenac	1,967	33,603	1,127	6,456	2,285	11,834	1,026
Glengarry	1,958	27,755	760	6,420	261	8,029	203
Grenville	1,282	19,119	461	4,193	138	5,657	145
Grey	1,616	42,730	4,415	6,889	24,739	30,537	11,549
Haldimand	729	15,335	438	3,652	2,440	7,220	752
Haliburton	162	3,526	158	574	1,139	2,434	451
Halton	761	13,057	944	3,101	2,122	6,503	963
Hastings	2,604	42,069	1,765	8,811	2,678	18,314	2,023
Huron	1,565	38,704	4,076	7,387	19,124	27,135	14,531
Kenora	104	1,393	27	315	88	708	26
Kent	691	19,004	2,713	4,082	5,991	11,598	5,554
Lambton	1,023	28,077	2,586	4,701	13,626	18,908	8,271
Lanark	1,283	26,409	2,343	5,458	6,906	14,618	4,504
Leeds	2,177	40,471	554	9,419	732	12,138	488
Lennox and Addington	1,339	24,636	603	5,221	2,196	10,032	1,168
Lincoln	401	8,746	337	1,781	455	3,248	152
Manitoulin	239	5,088	352	871	3,006	4,297	1,726
Middlesex	1,971	48,004	3,312	10,150	13,103	23,350	11,919
Muskoka	291	6,716	398	1,535	1,214	3,524	526
Nipissing	899	8,342	665	2,522	1,029	5,426	423
Norfolk	893	17,758	496	4,014	707	6,277	301
Northumberland	1,383	24,839	1,682	6,299	3,945	11,778	1,888
Ontario	1,183	24,380	2,907	5,312	7,957	15,055	3,174
Oxford	2,568	46,474	1,264	10,186	3,544	16,843	2,529
Parry Sound	484	9,866	547	1,948	3,225	6,361	1,221
Peel	976	19,835	781	4,414	2,075	7,443	1,561
Perth	1,851	38,136	1,872	9,158	9,726	21,965	4,112
Peterborough	967	19,675	910	4,520	4,001	10,277	2,149
Prescott	2,003	26,179	642	6,669	384	8,843	222
Prince Edward	861	15,104	461	3,164	277	5,296	92
Rainy River	231	4,001	201	986	896	2,371	198
Renfrew	2,117	31,266	3,179	6,788	10,320	20,361	6,211
Russell	1,758	22,098	649	5,239	731	10,518	281
Simcoe	1,425	39,979	2,802	8,331	14,852	23,163	6,326
Stormont	1,682	25,451	632	5,259	182	7,178	335
Sudbury	865	9,104	723	2,604	763	6,113	225
Thunder Bay	232	4,722	79	1,282	147	2,367	25
Timiskaming	555	7,012	484	1,877	1,383	4,383	297
Victoria	723	19,514	1,802	4,153	9,032	12,096	6,575
Waterloo	1,075	20,256	721	4,424	4,236	12,969	1,281
Welland	432	10,197	294	2,065	670	3,623	159
Wellington	1,357	29,719	3,479	5,271	14,545	21,272	3,881
Wentworth	854	16,235	669	3,410	1,397	5,758	382
York	1,651	32,524	2,276	6,882	2,904	11,043	1,704
The Province:							
1932	61,347	*1,174,693	70,782	251,295	249,022	578,833	142,643
1931	61,191	*1,168,455	73,557	248,927	250,317	576,660	130,098
1930	64,935	*1,222,603	72,252	278,037	266,766	577,446	93,449
1929	64,323	*1,237,248	69,685	271,668	265,359	575,522	187,789
1928	64,221	*1,261,384	70,139	264,624	261,586	576,766	183,333

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*Including dual purpose cows.

TOTAL CATTLE AND SHEEP ON HAND

TABLE XXII.—Showing by County Municipalities the number and value of Cattle on hand, June 15th, 1932, together with the totals for the Province for the past five years.

Counties and Districts	Total Cattle		Sheep and Lambs				
	Number	Value	Ewes for breeding	1 year and over	Under 1 year	Total sheep and lambs Number	Total sheep and lambs Value
		$					$
Algoma	19,971	622,018	4,791	927	5,818	11,536	54,796
Brant	28,442	963,643	3,530	539	3,809	7,878	39,390
Bruce	106,190	2,972,054	25,304	3,226	30,310	58,840	285,374
Carleton	79,356	2,512,495	10,907	1,821	12,222	24,950	117,265
Cochrane	8,329	294,417	671	194	679	1,544	7,720
Dufferin	41,832	1,196,052	15,129	2,458	18,131	35,718	178,590
Dundas	43,467	1,421,777	2,051	233	1,994	4,278	20,534
Durham	40,377	1,181,298	12,410	2,284	13,277	27,971	130,065
Elgin	55,122	1,790,565	9,967	1,356	11,657	22,980	109,155
Essex	30,291	1,059,087	5,597	863	6,698	13,158	64,474
Frontenac	58,298	1,818,493	6,996	1,200	7,907	16,103	78,100
Glengarry	45,386	1,468,536	2,260	675	2,467	5,402	26,740
Grenville	30,995	1,046,456	3,535	502	4,542	8,579	41,179
Grey	122,475	3,389,560	39,904	3,759	46,934	90,597	452,985
Haldimand	30,566	1,009,822	6,173	842	7,992	15,007	77,286
Haliburton	8,444	229,564	2,015	297	2,031	4,343	19,761
Halton	27,451	877,451	4,995	700	5,583	11,278	55,262
Hastings	78,264	2,502,546	15,458	2,041	16,738	34,237	166,049
Huron	112,522	3,142,427	13,626	1,703	15,870	31,199	155,371
Kenora	2,661	89,885	456	175	414	1,045	5,225
Kent	49,633	1,429,752	7,218	1,142	7,812	16,172	80,860
Lambton	77,192	2,242,246	16,707	1,683	19,546	37,936	187,783
Lanark	61,521	1,846,755	15,032	2,402	16,854	34,288	173,154
Leeds	65,979	2,171,680	6,587	963	7,128	14,678	72,216
Lennox & Add'gton	45,195	1,495,164	4,725	489	4,962	10,176	48,336
Lincoln	15,120	538,240	2,621	336	2,897	5,854	29,270
Manitoulin	15,579	461,034	9,708	979	10,278	20,965	104,825
Middlesex	111,809	3,452,081	12,747	3,112	14,777	30,636	153,180
Muskoka	14,204	437,776	3,017	693	3,258	6,968	33,098
Nipissing	19,306	597,292	3,971	699	4,319	8,989	44,496
Norfolk	30,446	1,030,671	3,441	615	3,793	7,849	38,068
Northumberland	51,814	1,605,441	7,199	1,702	8,538	17,439	85,102
Ontario	59,968	1,831,276	15,929	2,799	17,803	36,531	180,828
Oxford	83,408	2,903,878	4,735	514	5,242	10,491	53,294
Parry Sound	23,652	709,824	7,935	1,489	8,643	18,067	88,528
Peel	37,085	1,252,240	7,026	981	8,701	16,708	82,203
Perth	86,820	2,714,142	5,588	1,101	6,717	13,406	67,030
Peterborough	42,499	1,322,180	5,996	1,295	6,884	14,175	70,875
Prescott	44,942	1,515,789	2,123	603	2,715	5,441	25,845
Prince Edward	25,255	792,076	4,156	798	4,681	9,635	47,501
Rainy River	8,884	278,587	3,895	453	4,361	8,709	45,722
Renfrew	80,242	2,137,674	29,935	5,126	31,136	66,197	314,436
Russell	41,274	1,311,636	2,408	451	2,703	5,562	27,143
Simcoe	96,878	2,902,746	26,650	3,885	28,984	59,519	293,429
Stormont	40,719	1,308,132	1,408	222	1,402	3,032	14,948
Sudbury	20,397	646,199	2,938	774	3,186	6,898	34,490
Thunder Bay	8,854	295,573	383	102	437	922	4,610
Timiskaming	15,991	522,613	4,360	453	4,048	8,861	44,305
Victoria	53,895	1,614,998	13,518	2,122	14,795	30,435	152,175
Waterloo	44,962	1,455,052	2,917	342	2,947	6,206	30,409
Welland	17,440	593,528	2,438	302	2,428	5,168	24,186
Wellington	79,524	2,323,822	17,597	2,588	20,492	40,677	201,351
Wentworth	28,705	976,210	3,713	511	4,202	8,426	42,130
York	58,984	2,019,240	11,371	1,753	12,909	26,033	130,165
The Province:							
1932	2,528,615	78,323,693	455,767	69,274	514,651	1,039,692	5,111,312
1931	2,509,205	91,834,417	457,759	70,286	516,310	1,044,355	6,652,107
1930	2,675,488	136,496,344	509,511	79,090	545,856	1,134,457	10,835,770
1929	2,671,594	150,480,760	508,750	77,131	544,514	1,130,395	12,457,554
1928	2,682,053	128,937,680	461,137	68,292	484,677	1,014,106	11,209,872

SWINE ON HAND

TABLE XXIII.—Showing by County Municipalities the number and value of Swine on hand, June 15, 1932, together with the totals for the Province for the past five years.

Counties and Districts	Brood Sows	Other Swine		Total Swine	
		Six months and over	Under six months	Number	Value
					$
Algoma	777	318	4,153	5,248	28,602
Brant	1,945	1,316	12,215	15,476	77,380
Bruce	5,349	5,522	36,003	46,874	250,776
Carleton	3,227	1,371	21,519	26,117	130,585
Cochrane	768	352	3,224	4,344	26,064
Dufferin	3,572	3,945	23,633	31,150	161,357
Dundas	2,048	1,517	13,848	17,413	86,194
Durham	2,784	2,683	19,994	25,461	127,305
Elgin	3,619	2,635	22,319	28,573	142,865
Essex	6,259	7,134	36,131	49,524	260,001
Frontenac	2,259	1,213	13,618	17,090	85,450
Glengarry	1,896	1,133	12,390	15,419	77,095
Grenville	1,250	503	7,543	9,296	45,086
Grey	7,283	9,260	48,743	65,286	349,280
Haldimand	2,031	1,651	13,054	16,736	83,680
Haliburton	218	156	1,360	1,734	9.971
Halton	1,728	1,703	11,281	14,712	80,180
Hastings	4,319	3,532	30,333	38,184	200,466
Huron	8,288	8,070	57,156	73,514	393,300
Kenora	187	111	973	1,271	7,308
Kent	8,591	11,439	53,760	73,790	387,398
Lambton	6,213	6,821	41,343	54,377	290,917
Lanark	1,986	696	12,138	14,820	76,323
Leeds	2,327	1,187	15,239	18,753	97,141
Lennox and Addington	1,822	877	12,181	14,880	78,864
Lincoln	1,009	892	5,747	7,648	38,240
Manitoulin	598	438	3,482	4,518	23,720
Middlesex	5,337	3,597	36,121	45,055	247,803
Muskoka	302	169	1,777	2,248	12,364
Nipissing	914	468	5,838	7,220	38,627
Norfolk	1,934	1,551	12,830	16,315	83,207
Northumberland	3,694	1,889	24,262	29,845	168,624
Ontario	4,569	4,581	27,932	37,082	185,410
Oxford	5,252	3,961	31,115	40,328	211,722
Parry Sound	724	336	3,832	4,892	28,129
Peel	1,973	2,143	12,924	17,040	92,016
Perth	7,679	7,397	56,032	71,108	380,428
Peterborough	1,814	966	12,791	15,571	80,191
Prescott	2,809	1,714	15,975	20,498	101,465
Prince Edward	1,751	811	11,357	13,919	78,325
Rainy River	475	233	2,221	2,929	16,549
Renfrew	3,331	2,826	19,921	26,078	134,302
Russell	2,223	1,774	14,101	18,098	90,490
Simcoe	8,382	9,026	53,758	71,166	376,468
Stormont	1,885	1,012	13,813	16,710	87,728
Sudbury	1,122	749	5,528	7,399	38,845
Thunder Bay	455	157	2,063	2,675	14,311
Timiskaming	765	408	3,653	4,826	27,991
Victoria	2,861	2,966	20,101	25,928	134,826
Waterloo	5,219	6,651	34,143	46,013	230,065
Welland	961	1,061	5,425	7,447	37,235
Wellington	7,501	7,181	50,230	64,912	344,033
Wentworth	2,002	2,105	13,995	18,102	93,225
York	5,614	6,960	36,929	49,503	269,791
The Province:					
1932	163,901	149,167	1,062,047	1,375,115	7,219,718
1931	165,077	137,879	1,056,220	1,359,176	11,987,324
1930	172,251	195,788	1,293,517	1,661,556	18,643,164
1929	172,739	196,264	1,312,260	1,681,263	20,430,803
1928	195,990	230,587	1,406,961	1,833,538	19,808,890

POULTRY ON HAND

Table XXIV.—Showing by County Municipalities the number and value of Poultry on hand, June 15th, 1932, together with the totals for the Province for the past five years.

Counties and Districts	Turkeys	Geese	Ducks	Other Fowls	Total Poultry	
					Number	Value
						$
Algoma	3,376	2,256	1,124	124,747	131,503	62,001
Brant	1,440	6,386	5,008	303,845	316,679	144,893
Bruce	19,925	15,692	13,866	619,618	669,101	298,226
Carleton	11,667	12,544	8,430	510,856	543,497	243,443
Cochrane	734	399	445	92,897	94,475	43,440
Dufferin	1,358	16,529	5,231	237,751	260,869	118,068
Dundas	10,368	9,098	7,069	397,546	424,081	193,510
Durham	2,849	12,133	7,084	463,581	485,647	216,801
Elgin	11,657	8,401	8,313	544,720	573,091	261,980
Essex	8,953	12,040	18,980	899,422	939,395	401,639
Frontenac	21,762	4,007	4,095	251,056	280,920	137,911
Glengarry	17,947	1,628	1,794	237,283	258,652	121,120
Grenville	7,606	3,730	3,082	228,159	242,577	114,493
Grey	8,293	26,922	14,710	709,688	759,613	330,883
Haldimand	9,465	5,897	7,146	463,399	485,907	218,074
Haliburton	1,441	507	122	24,533	26,603	12,784
Halton	2,506	7,316	4,677	299,063	313,562	149,447
Hastings	10,487	7,707	3,733	489,179	511,106	238,206
Huron	6,463	23,906	23,734	1,147,335	1,201,438	531,925
Kenora	669	180	305	19,659	20,813	88,553
Kent	9,507	14,212	23,512	888,554	935,785	408,400
Lambton	31,144	20,699	21,111	924,216	997,170	480,480
Lanark	13,136	4,130	2,517	267,433	287,216	140,427
Leeds	18,540	4,585	4,193	310,843	338,161	154,162
Lennox and Addington	6,186	4,117	3,841	272,044	286,188	137,076
Lincoln	5,701	3,417	5,862	276,675	291,655	132,656
Manitoulin	9,437	1,750	563	56,351	68,101	37,652
Middlesex	35,111	19,329	21,447	991,163	1,067,050	498,475
Muskoka	1,015	615	568	77,880	80,078	37,179
Nipissing	633	1,079	308	72,513	74,533	33,710
Norfolk	8,944	4,805	4,593	493,747	512,089	220,474
Northumberland	4,111	8,320	4,574	556,798	573,803	236,471
Ontario	6,827	15,671	9,593	542,332	574,423	271,940
Oxford	1,515	10,297	13,433	856,325	881,570	385,236
Parry Sound	2,169	2,255	1,187	76,640	82,251	37,543
Peel	3,725	13,091	8,993	411,594	437,403	194,855
Perth	1,561	21,316	16,605	742,355	781,837	342,862
Peterborough	11,784	7,142	3,482	316,438	338,846	152,027
Prescott	8,203	3,370	1,996	214,698	228,267	101,567
Prince Edward	3,500	2,404	3,491	214,486	223,881	99,548
Rainy River	5,990	646	590	55,934	63,160	32,674
Renfrew	13,759	8,639	3,034	327,405	352,837	160,126
Russell	1,501	7,761	1,350	226,838	237,450	108,997
Simcoe	15,384	27,355	18,440	798,053	859,232	393,588
Stormont	10,127	3,392	3,285	360,939	377,743	167,847
Sudbury	872	469	432	102,310	104,083	46,406
Thunder Bay	1,760	1,074	394	187,628	190,856	85,297
Timiskaming	1,259	1,475	1,089	87,179	91,002	42,113
Victoria	8,801	13,262	4,391	339,371	365,825	172,432
Waterloo	341	7,484	5,154	442,733	455,712	196,800
Welland	3,099	3,038	5,316	327,112	338,565	148,984
Wellington	1,347	24,678	9,685	628,188	663,898	294,697
Wentworth	2,620	5,608	4,481	418,240	430,949	186,760
York	5,426	20,415	18,970	753,184	797,995	351,318
The Province:						
1932	414,001	465,178	367,428	21,682,536	22,929,143	10,418,176
1931	402,961	454,270	354,705	22,524,189	23,736,125	10,729,925
1930	521,794	570,924	566,118	20,901,424	22,560,260	13,372,682
1929	510,054	587,222	590,610	20,357,205	22,045,091	13,473,814
1928	496,202	590,415	557,150	18,059,809	19,703,576	12,452,203

FARM PROPERTY, IMPLEMENTS AND LIVE STOCK

TABLE XXV.—Showing by County Municipalities of Ontario the value of farm lands, buildings, implements and live stock for 1932, together with the totals for the Province for 1931.

Counties and Districts	Land	Buildings	Implements	Live Stock on hand	Total
	$	$	$	$	$
Algoma	3,466,222	1,525,117	750,019	1,099,257	6,840,615
Brant	11,035,530	7,053,446	2,070,323	1,838,470	21,997,769
Bruce	29,689,862	16,641,716	5,001,889	5,295,680	56,629,147
Carleton	25,558,774	13,027,753	4,365,571	4,091,738	47,043,836
Cochrane	1,485,405	409,460	200,410	689,081	2,784,356
Dufferin	12,608,655	8,174,143	2,254,749	2,448,992	25,486,539
Dundas	10,732,942	6,367,313	2,518,132	2,324,511	21,942,898
Durham	13,903,242	8,999,380	2,446,429	2,500,194	27,849,245
Elgin	22,421,744	12,792,054	3,986,902	3,298,327	42,499,027
Essex	39,679,720	17,234,165	5,112,308	2,919,411	64,945,604
Frontenac	10,349,460	5,060,928	1,801,213	2,816,554	20,028,155
Glengarry	11,498,820	6,216,082	2,210,598	2,266,251	22,191,751
Grenville	7,255,023	4,410,135	1,796,741	1,726,014	15,187,913
Grey	32,128,514	20,513,028	5,974,960	6,523,091	65,139,593
Haldimand	11,839,488	7,520,919	2,500,478	2,065,076	23,925,961
Haliburton	2,006,929	632,859	351,250	370,411	3,361,449
Halton	12,320,674	7,011,264	2,070,960	1,650,065	23,052,963
Hastings	17,413,025	9,914,346	3,902,426	4,187,593	35,417,390
Huron	32,759,633	20,342,235	6,238,502	6,080,323	65,420,693
Kenora	566,548	219,099	112,081	289,916	1,187,644
Kent	40,846,142	18,713,205	6,231,278	3,855,062	69,645,687
Lambton	31,807,480	16,382,778	5,546,937	4,548,876	58,286,071
Lanark	11,153,469	5,726,546	2,464,117	2,942,619	22,286,751
Leeds	12,866,979	6,830,131	2,447,649	3,297,385	25,442,144
Lennox and Addington	10,719,067	5,764,860	2,249,821	2,430,620	21,164,368
Lincoln	15,017,744	8,174,491	2,244,378	1,215,706	26,652,319
Manitoulin	2,796,515	898,186	381,700	840,639	4,917,040
Middlesex	39,138,620	22,222,805	6,739,760	6,149,395	74,250,580
Muskoka	4,038,360	1,673,260	740,465	726,883	7,178,968
Nipissing	3,446,718	1,414,379	690,373	960,679	6,512,149
Norfolk	15,488,780	8,349,374	3,251,524	2,171,843	29,261,521
Northumberland	15,139,304	9,219,754	3,574,623	3,095,114	31,028,795
Ontario	21,023,959	13,796,724	4,121,505	3,554,453	42,496,641
Oxford	24,167,415	16,379,638	4,549,388	4,867,866	49,964,307
Parry Sound	3,606,340	1,746,300	800,212	1,192,794	7,345,646
Peel	18,200,697	11,120,453	3,097,171	2,327,139	34,745,460
Perth	24,941,408	17,343,142	5,283,087	5,009,487	52,577,124
Peterborough	13,540,847	6,902,724	2,389,960	2,296,231	25,129,762
Prescott	12,218,567	6,152,418	2,175,243	2,304,328	22,850,556
Prince Edward	8,125,045	4,944,256	2,109,752	1,514,826	16,693,879
Rainy River	3,274,478	1,031,687	537,422	561,212	5,404,799
Renfrew	16,568,801	6,403,943	3,667,003	3,824,663	30,464,410
Russell	9,882,965	4,595,337	1,828,347	2,014,690	18,321,339
Simcoe	36,609,104	20,840,494	6,795,129	5,978,406	70,223,133
Stormont	8,572,903	5,688,494	2,176,466	2,070,164	18,508,027
Sudbury	4,402,995	1,587,221	811,774	1,053,026	7,855,016
Thunder Bay	3,600,820	1,291,374	560,463	611,171	6,063,828
Timiskaming	4,890,962	1,636,861	948,094	931,139	8,407,056
Victoria	15,109,013	7,621,279	2,545,157	2,878,131	28,153,580
Waterloo	15,885,713	11,738,269	2,897,792	2,842,857	33,364,631
Welland	13,200,185	7,938,455	2,288,472	1,264,433	24,691,545
Wellington	25,067,834	18,368,288	4,891,675	4,664,599	52,992,396
Wentworth	16,356,773	9,328,524	2,862,710	2,002,952	30,550,959
York	33,599,570	17,364,144	5,158,090	4,100,073	60,221,877
The Province:					
1932	844,025,782	473,255,236	154,723,478	144,580,416	1,616,584,912
1931	954,869,758	537,279,170	175,176,334	171,732,345	1,839,057,607

PART II—CHATTEL MORTGAGES

Table showing by County Municipalities of Ontario the total number and amount of Chattel Mortgages on record and undischarged on December 31st, for the years 1930, 1931 and 1932, together with totals for the Province for all occupations as well as for "farmers," as far as given in the records.

Counties and Districts	1932		1931		1930	
	No.	Amount	No.	Amount	No.	Amount
		$		$		$
Algoma	184	275,950	166	354,882	142	376,164
Brant	428	455,033	378	352,642	329	269,588
Bruce	479	500,522	339	346,809	239	245,372
Carleton	1,063	1,196,824	758	721,976	619	555,654
Cochrane	315	278,331	248	294,042	219	535,854
Dufferin	206	309,252	154	204,781	114	154,644
Elgin	430	559,036	327	418,982	234	295,937
Essex	3,064	2,592,314	2,994	603,371	2,500	1,159,714
Frontenac	317	241,902	268	220,714	201	206,539
Grey	589	658,024	368	418,003	273	296,304
Haldimand	175	234,591	174	231,056	120	157,891
Haliburton	71	106,853	32	21,949	30	26,108
Halton	210	391,718	142	278,042	108	157,765
Hastings	537	790,430	419	681,668	336	545,515
Huron	496	741,494	347	423,947	216	335,126
Kenora	50	65,625	56	77,451	79	159,384
Kent	765	1,351,454	620	794,776	435	534,048
Lambton	355	479,785	283	318,909	205	264,532
Lanark	203	254,222	149	184,873	105	115,536
Leeds and Grenville	434	444,794	331	368,579	261	325,414
Lennox and Addington	185	384,810	142	326,495	124	308,094
Lincoln	320	398,429	273	294,824	205	373,697
Manitoulin	92	88,556	84	88,232	79	86,260
Middlesex	928	753,452	793	605,594	718	560,297
Muskoka	106	142,989	99	179,348	95	226,707
Nipissing	281	332,067	254	315,579	211	281,170
Norfolk	325	316,609	245	285,035	166	175,172
Northumberland and Durham	440	623,143	384	487,596	283	388,411
Ontario	555	730,613	378	551,559	283	323,938
Oxford	395	499,321	298	293,142	223	306,890
Parry Sound	186	265,849	181	258,630	172	226,778
Peel	263	480,847	117	141,458	54	44,998
Perth	454	528,719	383	358,342	210	217,501
Peterborough	289	376,443	220	232,255	156	208,519
Prescott and Russell	602	873,662	463	610,897	341	540,780
Prince Edward	235	314,288	201	267,952	158	189,408
Rainy River	139	133,814	133	103,270	120	137,210
Renfrew	361	572,618	260	399,416	216	293,268
Simcoe	689	844,242	536	613,573	411	368,134
Stormont, Dundas and Glengarry	650	987,020	522	749,776	389	532,421
Sudbury	412	426,514	361	334,416	291	278,642
Thunder Bay	190	427,482	201	436,357	175	441,100
Timiskaming	227	425,180	234	410,689	244	432,076
Victoria	229	315,896	173	221,336	98	310,212
Waterloo	643	576,999	575	451,766	461	288,656
Welland	344	441,876	356	490,701	243	141,359
Wellington	512	697,126	351	428,789	263	261,404
Wentworth	1,177	1,392,854	1,011	1,112,852	812	917,303
York	10,229	6,321,346	7,966	3,076,876	5,567	4,193,408
Total						
All occupations	31,829	32,600,918	25,747	21,444,207	19,533	19,770,902
Farmers as given	10,186	14,966,786	7,444	9,379,505	5,185	6,229,619
*Occupations not given	11,174	6,030,483	9,148	3,991,753	7,857	5,099,462

*A number of these may be "farmers." Nearly every clerk reports a number of instruments as unclassified as to occupation. Certain finance corporations have adopted the practice of filing chattel mortgages instead of liens on automobiles. This is very noticeable in Essex and Middlesex Counties (included in unclassified).

APPENDIX

Comparative Farm Statistics for Fifty-One Years—1882-1932

STATISTICS OF FARM CROPS

Fall Wheat and Spring Wheat

The following table gives the area, produce and market value of fall wheat and spring wheat for the years 1882 to 1932, together with the annual averages for the various periods of ten years and the average for the fifty-one years.

Years	Fall Wheat				Spring Wheat			
	Acres	Bushels	Per acre	Market Value	Acres	Bushels	Per acre	Market value
				$				$
1932	536,292	15,061,600	28.1	6,929,113	100,068	1,990,368	19.9	895,980
1931	525,024	15,013,555	28.6	7,747,787	90,183	1,982,594	20.0	1,008,547
1930	676,802	18,047,207	26.7	11,958,527	98,966	2,179,204	22.0	1,426,734
1929	691,662	17,820,739	25.8	22,092,590	106,610	1,929,892	18.1	2,416,054
1928	693,660	16,766,408	24.2	20,456,753	109,805	2,181,855	19.9	2,599,815
1927	751,377	19,447,536	25.9	24,254,806	119,580	2,408,055	20.1	2,939,777
1926	807,015	20,988,030	26.0	26,262,506	115,497	2,166,054	18.8	2,708,690
1925	747,101	22,764,736	30.5	30,420,639	113,338	2,440,632	21.5	3,245,576
1924	722,366	21,396,621	29.6	28,646,679	101,401	1,948,853	19.2	2,669,773
1923	717,307	16,599,067	23.1	15,976,322	111,601	1,937,937	17.4	1,865,540
1922	813,935	17,792,958	21.9	18,616,746	124,206	2,099,503	16.9	2,207,565
1921	621,420	13,667,879	22.0	15,096,980	152,904	1,907,459	12.5	2,087,264
1920	762,371	18,492,013	24.3	35,759,610	267,367	4,480,472	16.8	8,237,182
1919	619,494	15,051,703	24.3	35,698,096	361,150	5,646,544	15.6	13,603,841
1918	362,616	7,054,845	19.5	14,877,794	351,423	8,186,191	23.3	17,076,203
1917	585,946	13,384,207	22.8	28,078,738	182,957	3,679,516	20.1	7,716,693
1916	704,867	14,942,050	21.2	24,099,591	144,305	2,213,961	15.3	3,591,681
1915	811,185	24,737,011	30.5	24,023,286	162,142	3,439,949	21.2	3,392,996
1914	685,692	14,333,548	20.9	15,641,232	118,607	2,169,425	18.3	2,340,520
1913	646,533	15,945,717	24.7	13,550,459	116,581	2,068,951	17.7	1,818,652
1912	759,888	15,039,885	19.8	13,795,968	123,080	2,302,339	18.7	2,072,266
1911	837,492	17,926,586	21.4	15,519,411	133,711	2,295,534	17.2	2,081,580
1910	743,473	19,837,172	26.7	17,172,678	129,319	2,489,833	19.3	2,229,999
1909	663,375	15,967,653	24.1	16,335,950	135,161	2,223,567	16.5	2,237,189
1908	679,642	16,430,476	24.2	14,649,061	142,124	2,197,716	15.5	1,996,230
1907	676,164	15,545,491	23.0	14,410,670	144,514	2,473,651	17.1	2,137,234
1906	787,287	18,841,774	23.9	13,321,134	171,745	3,267,000	19.0	2,250,963
1905	796,213	17,933,961	22.5	13,719,480	190,116	3,582,627	18.8	2,683,387
1904	605,458	9,160,623	15.1	9,041,535	225,027	3,471,103	15.4	3,269,779
1903	665,028	17,242,763	25.9	12,949,315	248,518	4,650,707	18.7	3,460,126
1902	748,592	20,233,669	27.0	14,305,204	303,115	6,048,024	20.0	4,209,425
1901	911,587	15,943,229	17.5	10,538,474	358,048	5,498,751	15.4	3,673.166
1900	1,068,640	23.369,737	21.9	15,517,505	376,905	6,940,333	18.4	4,684.725
1899	1,049,691	14,439,827	13.8	9,631,365	398,726	7,041,317	17.7	4,682,476
1898	1,048,182	25,158,713	24.0	17,460,147	389,205	6,873,785	17.7	4,756,659
1897	950.222	23,988,051	25.2	18,758,656	323,305	4,868,101	15.1	3,826,327
1896	876,955	15,078,441	17.2	10,705,693	255,361	3,519,322	13.8	2,484,641
1895	743,199	14,155,282	19.0	9,809,610	223,957	3,472,543	15.5	2,423,835
1894	778,992	16,512,106	21.2	9,081,658	230,016	3,367,854	14.6	1,869,159
1893	913,954	17,545,248	19.2	10,509,604	356,721	4,186,063	11.7	2,486,521
1892	966.522	20.492,497	21.2	14,488,195	651,302	8,290,395	12.7	5,620,888
1891	849,956	21,872,488	25.7	20,800,736	510,634	10,711,538	21.0	9,951,019
1890	720,101	14,267,383	19.8	13,439,875	601,753	7,683,905	12.8	7,015,405
1889	822,115	13,001,865	15.8	11,493,648	398,610	5,697,707	14.3	5,019,680
1888	826,537	13,830,787	16.7	14,162,726	367,850	6,453,559	17.5	6,408,384
1887	897,743	14,440,611	16.1	11,321,439	484,821	5,633,117	11.6	4,393,831
1886	886,402	18,071,142	20.4	13,300,361	577,465	9,518,553	16.5	6,900,951
1885	875.136	21,478,281	24.5	17,504,799	799,463	9,129,881	11.4	7,358,684
1884	864,740	20,717,631	24.0	16,677,693	721,647	14,609,661	20.2	11,892,264
1883	1,097,210	11,656,957	10.6	12,239,805	586,410	9,726,063	16.6	10,406,887
1882	1,188,520	31,255,202	26.3	31,567,754	586,817	9,665,999	16.5	10,245,959
Annual Averages:								
1922–1931	714,625	18,663,676	26.1	20,643,336	110,019	2,127,458	19.3	2,308,807
1912–1921	656,001	15,264,886	23.3	22,062,175	198,052	3,609,481	18.2	6,193,730
1902–1911	720,272	16,912,017	23.5	14,142,444	182,335	3,269,976	17.9	2,655,591
1892–1901	930,794	18,668,313	20.1	12,650,091	356,355	5,405,846	15.2	3,650,840
1882–1891	902,846	18,059,235	20.0	16,250,884	563,547	8,882,998	15.8	7,959,306
1882–1932	780,033	17,465,546	22.4	16,949,380	278,493	4,606,823	16.5	4,481,936

STATISTICS OF FARM CROPS

OATS AND BARLEY

The following table gives the area, produce and market value of Oats and Barley for the years 1882 to 1932, together with the annual averages for the various periods of ten years and the average for the fifty-one years.

Years	Oats				Barley			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1932	2,338,569	75,517,411	32.3	18,878,732	456,000	13,771,000	30.2	4,958,004
1931	2,330,128	77,979,490	33.5	19,499,057	437,588	13,407,038	30.6	4,898,775
1930	2,468,913	97,481,866	39.5	28,983,780	609,879	20,910,731	34.3	7,496,760
1929	2,335,310	73,640,478	31.5	45,918,227	622,063	18,032,191	29.0	13,799,386
1928	2,659,980	93,461,068	35.1	51,912,665	615,433	19,944,133	32.4	14,790,285
1927	2,689,295	101,913,746	37.9	58,438,236	514,802	17,238,125	33.5	13,382,864
1926	2,831,755	95,722,130	33.8	49,615,846	449,095	14,447,174	32.2	9,823,171
1925	2,837,390	118,100,471	41.6	53,404,626	436,383	14,917,247	34.2	10,160,463
1924	2,891,990	114,249,129	39.5	61,899,999	439,177	14,570,403	33.2	11,970,808
1923	2,967,417	103,485,442	34.9	46,937,124	452,490	13,523,349	29.9	8,487,609
1922	3,034,090	116,033,569	38.2	50,450,114	433,922	13,971,811	32.2	8,561,782
1921	3,094,958	72,575,191	23.4	36,555,194	462,176	10,149,353	22.0	6,665,865
1920	2,880,053	129,171,312	44.9	75,159,913	484,328	16,660,350	34.4	15,631,613
1919	2,674,341	78,388,018	29.3	76,572,899	569,183	13,133,757	23.1	19,146,902
1918	2,924,468	131,752,601	45.1	98,798,745	660,404	24,247,673	36.7	25,112,912
1917	2,763,355	111,232,817	40.3	86,640,057	551,298	18,387,741	33.4	23,118,166
1916	2,689,762	71,297,528	26.5	47,066,428	527,886	12,388,969	23.5	12,621,940
1915	2,871,755	120,217,952	41.9	47,452,121	552,318	19,893,129	36.0	11,130,811
1914	2,776,883	103,564,322	37.3	51,232,043	579,473	18,096,754	31.2	11,640.790
1913	2,699,459	98,426,902	36.5	36,342,489	623,658	18,255,958	29.3	10,136,759
1912	2,601,735	98,444,807	37.8	38,005,016	647,382	19,232,275	29.7	11,296,962
1911	2,699,230	84,829,232	31.4	37,494,695	616,977	16,248,129	26.3	12,000,154
1910	2,757,933	102,084,924	37.0	35,698,964	626,144	19,103,107	30.5	9,930,410
1909	2,695,585	90,235,579	33.5	35,612,676	695,262	18,776,777	27.0	10,286,328
1908	2,774,259	96,626,419	34.8	38,987,985	734,029	20,888,569	28.5	10,943,788
1907	2,932,509	83,524,301	28.5	40,759,859	766,891	21,718,332	28.3	12,900,689
1906	2,716,711	108,341,455	39.9	36,836,095	756,163	25,253,011	33.4	11,363,855
1905	2,668,416	105,563,572	39.6	35,469,360	772,633	24,265,394	31.4	10,409,854
1904	2,654,936	102,173,443	38.5	33,002,022	772,434	24,567,825	31.8	10,736,140
1903	2,638,665	109,874,053	41.6	32,193,097	709,839	24,378,817	34.3	10,263,482
1902	2,500,758	106,431,439	42.6	37,038,141	661,622	21,890,602	33.1	9,872,661
1901	2,408,264	78,334,490	32.5	28,357,085	637,201	16,761,076	26.3	7,542,484
1900	2,398,834	89,693,327	37.4	23,768,732	577,810	16,909,751	29.3	6,577,893
1899	2,363,778	89,897,724	38.0	24,901,670	490,374	14,830,891	30.2	5,858,202
1898	2,376,360	86,858,293	36.6	22,409,440	438,784	12,663,668	28.9	4,812,194
1897	2,432,491	86,318,128	35.5	19,507,897	451,515	12,021,779	26.6	3,245,880
1896	2,425,107	82,979,992	34.2	16,595,998	462,792	12,669,744	27.4	4,003,639
1895	2,373,309	84,697,566	35.7	24,646,992	478,046	12,090,507	25.3	4,884,565
1894	2,342.766	70,172,516	30.0	21,613,135	486,261	10,980,404	22.6	4,447,064
1893	1,936,644	58,584,529	30.3	19,450,064	467,315	9,806,088	21.0	3,932,241
1892	1,861,469	64,758,053	34.8	19,945,480	499,225	12,274,318	24.6	5,069,293
1891	1,840,636	75,009,542	40.8	27,378,483	553,166	16,141,904	29.2	7,925,675
1890	1,882,366	52,768,207	28.0	21,687,734	701,326	15,600,169	22.2	7,831,285
1889	1,923,444	64,346,301	33.5	19,625,622	875,286	23,386,388	26.7	10,290,011
1888	1,849,868	65,466,911	35.4	26,514,099	895,432	23,366,569	26.1	14,043,308
1887	1,682,463	49,848,101	29.6	17,247,443	767,346	17,134,830	22.3	9,715,448
1886	1,621,901	58,665,608	36.2	18,772,995	735,778	19,512,278	26.5	10,009,799
1885	1,543,745	55,229,742	35.8	17,397,369	597,873	16,533,587	27.7	9,126,540
1884	1,481,828	57,696,304	38.9	19,097,476	700,472	19,119,041	27.3	10,247,806
1883	1,418,309	54,573,609	38.5	20,737,971	757,156	18,414,337	24.3	10,496,172
1882	1,387,487	50,501,701	36.4	21,715,731	848,617	24,284,407	28.6	15,784,865
Annual Averages:								
1922–1931	2,704,627	992,067,739	36.7	46,705,967	501,083	16,096,220	32.1	10,337,190
1912–1921	2,797,677	101,507,145	36.3	59,382,491	565,811	17,044,596	30.1	14,650,272
1902–1911	2,703,900	98,968,442	36.6	36,309,289	711,199	21,709,056	30.5	10,870,736
1892–1901	2,291,902	79,229,462	34.6	22,119,649	498,932	13,100,823	26.3	5,037,346
1882–1891	1,663,205	58,410,603	35.1	21,017,492	743,245	19,349,351	26.0	10,547,091
1882–1932	2,430,425	87,230,222	35.9	36,749,561	601.151	17,387,676	28.9	10,184,007

STATISTICS OF FARM CROPS

Peas and Beans

The following table gives the area, produce and market value of Peas and Beans for the years 1882 to 1932, together with the annual averages for the various periods of ten years and the average for the fifty-one years.

Years	Peas				Beans			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1932	59,535	1,071,344	18.0	696,348	61,821	1,059,559	17.1	519,132
1931	58,944	972,832	16.5	608,586	76,312	1,184,172	15.5	685,934
1930	80,093	1,581,468	19.7	1,657,822	67,540	905,498	13.4	1,306,852
1929	79,523	1,235,658	15.5	2,013,945	63,732	1,113,310	17.5	3,373,233
1928	109,887	1,892,588	17.2	2,892,490	50,953	873,427	17.1	3,343,825
1927	105,662	2,035,687	19.3	3,049,924	47,156	725,011	15.4	1,700,257
1926	97,865	1,880,301	19.2	2,831,588	51,721	819,166	15.8	1,913,221
1925	133,434	2,607,287	19.5	3,532,258	61,080	1,154,317	18.9	2,431,446
1924	130,989	2,456,164	18.8	3,712,042	52,047	856,860	16.5	1,958,602
1923	117,409	2,030,850	17.3	2,940,685	41,127	633,713	15.4	1,538,701
1922	105,544	2,076,965	19.7	2,914,720	39,999	622,781	15.6	1,579,549
1921	105,964	1,441,095	13.6	2,205,423	26,509	427,531	16.1	1,005,057
1920	109,187	2,209,523	20.2	4,270,938	22,744	380,499	16.7	1,097,137
1919	127,253	1,816,517	14.3	4,794,268	22,920	288,480	12.6	1,154,081
1918	113,862	2,381,937	20.9	5,184,332	100,082	1,387,834	13.9	6,230,007
1917	90,322	1,512,567	16.7	4,855,888	110,680	1,078,510	9.7	7,446,626
1916	95,542	1,243,979	13.4	2,618,754	53,999	583,105	10.8	3,183,086
1915	126,943	2,043,049	16.1	3,302,641	62,863	882,819	14.0	2,745,105
1914	177,856	2,609,585	14.7	3,565,974	51,149	835,895	16.3	1,787,432
1913	177,303	3,108,263	17.5	3,127,551	66,639	1,021,243	15.3	1,738,900
1912	221,524	3,667,005	16.6	4,047,354	69,703	1,182,132	17.0	2,280,173
1911	304,491	4,462,182	14.7	4,380,883	51,508	898,212	17.4	1,711,089
1910	403,414	6,016,003	14.9	4,856,986	49,778	892,927	17.9	1,386,798
1909	381,609	7,613,656	20.0	6,437,685	45,029	826,344	18.4	1,334,325
1908	396,642	7,401,336	18.7	6,121,449	46,477	783,757	16.9	1,160,103
1907	340,977	7,365,036	21.6	5,744,728	47,562	790,269	16.6	1,201,209
1906	410,356	7,388,987	18.0	5,216,625	51,272	950,312	18.5	1,320,934
1905	374,518	7,100,021	19.0	4,636,314	50,543	846,443	16.7	1,117,305
1904	339,260	6,629,866	19.5	4,176,816	50,892	912,849	17.9	1,113,676
1903	407,133	8,924,650	21.9	5,738,550	53,039	978,246	18.4	1,379,327
1902	532,639	7,664,679	14.4	5,441,922	53,964	670,633	12.4	905,355
1901	602,724	10,089,173	16.7	6,588,230	53,688	824,122	15.4	1,030,153
1900	661,592	14,058,198	21.2	8,027,231	44,053	820,373	18.6	817,912
1899	743,139	15,140,790	20.4	8,675,673	40,485	651,009	16.1	703,090
1898	865,951	13,521,263	15.6	7,058,099	45,220	759,657	16.8	531,760
1897	896,735	13,867,093	15.5	5,838,046	50,591	981,340	19.4	639,834
1896	829,601	17,493,148	21.1	7,696,985	68,369	1,197,535	17.5	819,114
1895	799,963	15,568,103	19.5	8,531,320	72,747	1,494,179	20.5	1,414,988
1894	785,007	14,022,888	17.9	7,516,268	59,281	827,514	14.0	913,575
1893	738,741	14,168,955	19.2	7,651,236	48,858	664,310	13.6	783,886
1892	774,732	14,494,430	18.7	8,551,714	33,249	535,931	16.1	529,500
1891	752,453	18,323,459	24.4	11,690,367	41,451	769,600	18.6	816,546
1890	781,206	15,389,313	19.7	9,279,756	39,456	761,341	19.3	978,323
1889	708,068	13,509,237	19.1	7,524,645	21,830	371,893	17.0	471,188
1888	696,653	14,269,863	20.5	9,332,490	22,700	534,526	23.5	607,756
1887	726,756	12,173,332	16.8	6,804,892	20,275	275,975	13.6	270,180
1886	703,936	16,043,734	22.8	8,439,004	21,072	482,072	22.9	403,494
1885	646,081	14,006,192	21.7	8,123,591	24,651	496,564	20.1	397,251
1884	570,928	13,691,607	24.0	8,817,395	24,878	592,044	23.8	698,612
1883	542,771	10,673,723	19.7	7,578,343	25,907	....	....	....
1882	560,770	11,006,115	19.6	8,144,525	19,787	409,910	20.7	807,523
Annual Averages:								
1922–1931	101,935	1,876,980	18.4	2,615,406	55,167	888,826	16.1	1,983,162
1912–1921	134,576	2,203,352	16.4	3,797,312	58,729	806,805	13.7	2,866,760
1902–1911	389,104	7,056,642	18.1	5,275,196	50,006	854,999	17.1	1,263,012
1892–1901	769,819	14,242,404	18.5	7,613,480	51,654	875,597	17.0	818,381
1882–1891	668,962	13,908,658	20.8	8,573,501	26,201	469,393	17.9	545,087
1882–1932	405,951	7,724,543	19.0	5,479,320	48,615	784,623	16.1	1,476,140

STATISTICS OF FARM CROPS

RYE AND BUCKWHEAT

The following table gives the area, produce and market value of Rye and Buckwheat for the years 1882 to 1932, together with the annual averages for the various periods of ten years and the average for the fifty-one years.

Years	Rye				Buckwheat			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1932	57,500	1,024,000	17.8	378,924	196,552	4,511,006	22.9	1,579,166
1931	61,701	1,104,754	17.9	462,594	178,719	3,665,584	20.5	1,551,607
1930	52,881	937,302	17.7	454,565	275,317	5,675,616	20.6	2,935,428
1929	52,023	873,239	16.8	847,938	294,388	5,562,013	18.9	4,627,121
1928	66,307	1,131,172	17.1	1,076,724	271,243	5,692,376	21.0	4,638,578
1927	72,323	1,289,058	17.8	1,228,421	249,210	5,892,510	23.6	4,593,204
1926	86,355	1,501,390	17.4	1,309,840	234,870	4,975,192	21.2	3,830,695
1925	98,652	1,784,625	18.1	1,553,529	257,932	5,579,109	21.6	4,086,236
1924	126,641	2,299,545	18.2	2,471,369	240,552	6,449,496	26.8	5,593,465
1923	123,354	2,011,325	16.3	1,481,691	230,276	5,012,010	21.8	3,670,511
1922	152,709	2,500,354	16.4	1,959,112	197,812	4,266,215	21.6	3,137,448
1921	122,868	1,775,599	14.5	1,467,086	147,944	3,354,201	22.7	2,482,999
1920	133,090	2,349,880	17.7	3,336,240	143,204	3,190,478	22.3	3,367,161
1919	140,072	2,219,042	15.8	3,531,031	178,569	4,071,959	22.8	5,727,413
1918	112,726	1,812,909	16.1	2,750,561	223,662	4,597,990	20.6	6,207,986
1917	133,077	2,222,325	16.7	3,614,591	153,457	2,992,391	19.5	4,278,256
1916	148,738	2,354,410	15.8	2,797,290	229,205	3,261,888	14.2	3,555,699
1915	173,736	3,210,512	18.5	2,532,051	193,497	4,278,366	22.1	3,057,398
1914	138,913	2,315,532	16.7	1,965,522	177,227	4,251,421	24.0	3,041,564
1913	118,429	1,979,775	16.7	1,310,306	228,279	4,012,418	17.6	2,549,398
1912	105,949	1,839,675	17.4	1,287,208	205,893	5,414,796	26.3	2,950,001
1911	98,652	1,562,971	15.8	1,326,510	189,039	3,852,231	20.4	2,324,992
1910	95,397	1,620,333	17.0	1,024,787	194,913	4,693,881	24.1	2,346,387
1909	94,661	1,573,921	16.6	1,060,566	176,630	4,280,790	24.2	2,284,440
1908	87,908	1,453,616	16.5	1,012,953	140,605	3,323,668	23.6	1,799,890
1907	67,158	1,039,021	15.5	721,081	113,039	2,546,468	22.5	1,461,673
1906	79,870	1,327,582	16.6	808,497	106,444	1,792,903	16.8	887,487
1905	101,292	1,714,951	16.9	974,092	101,591	2,199,652	21.7	1,099,826
1904	130,702	2,001,826	15.3	1,153,052	100,608	2,066,234	20.5	1,004,190
1903	179,277	2,970,768	16.6	1,443,793	95,487	2,049,169	21.5	907,782
1902	189,318	3,509,332	18.5	1,772,213	93,324	1,911,683	20.5	917,608
1901	158,236	2,545,268	16.1	1,254,817	88,266	1,757,071	19.9	850,422
1900	142,213	2,357,635	16.6	1,143,453	102,570	1,874,261	18.3	819,052
1899	137,824	2,284,846	16.6	1,142,423	132,082	2,203,299	16.7	1,002,501
1898	165,089	2,673,234	16.2	1,162,857	150,394	2,373,645	15.8	906,732
1897	187,785	3,382,005	18.0	1,275,016	151,669	3,464,186	22.8	1,039,256
1896	148,680	2,230,873	15.0	816,500	145,606	2,603,669	17.9	794,119
1895	120,350	1,900,117	15.8	866,453	135,262	2,791,749	20.6	1,027,364
1894	90,144	1,386,606	15.4	612,880	145,268	2,534,335	17.4	993,459
1893	68,486	994,771	14.5	472,516	133,828	2,380,456	17.8	995,031
1892	73,073	1,132,504	15.5	631,937	125,104	2,521,214	20.2	1,063,952
1891	67,865	1,134,630	16.7	820,337	107,879	2,608,142	24.2	1,150,191
1890	103,061	1,563,345	15.2	823,883	90,111	2,053,720	22.8	883,100
1889	90,106	1,431,679	15.9	728,725	56,398	1,272,578	22.6	502,668
1888	84,087	1,295,302	15.4	779,772	57,528	1,222,283	21.2	602,585
1887	68,362	894,887	13.1	442,969	64,143	1,025,353	16.0	461,409
1886	67,779	1,106,462	16.3	577,573	70,792	1,678,708	23.7	565,725
1885	78,293	1,271,506	16.2	701,871	61,776	1,530,675	24.8	600,024
1884	103,416	1,648,259	15.9	984,010	65,836	1,484,570	22.5	593,828
1883	188,111	3,012,240	16.0	2,018,201	67,802	....	....	....
1882	185,276	3,473,799	18.7	2,223,231	50,035	1,262,973	25.2	505,189
Annual Averages:								
1922–1931	89,295	1,543,279	17.3	1,284,578	243,032	5,277,012	21.7	3,866,429
1912–1921	132,760	2,207,966	16.6	2,459,189	188,094	3,942,591	21.0	3,721,788
1902–1911	112,424	1,877,432	16.7	1,129,754	131,168	2,871,668	21.9	1,503,428
1892–1901	129,188	2,088,786	16.2	937,885	131,005	2,450,389	18.7	949,189
1882–1891	103,636	1,683,211	16.2	1,010,057	69,230	1,413,900	20.4	586,472
1882–1932	112,363	1,863,347	16.6	1,344,972	153,369	3,216,992	21.0	2,114,749

STATISTICS OF FARM CROPS

Flax and Mixed Grains

The following table gives the area, produce and market value of Flax and Mixed Grains for the years 1907 to 1932, together with the annual averages for the various periods and for the whole term of years.

Years	Flax				Mixed Grains			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1932	6,280	61,569	9.8	55,540	986,161	33,327,100	33.8	10,997,537
1931	7,325	79,555	10.9	83,812	1,012,347	35,155,615	34.7	12,510,754
1930	5,235	51,257	9.8	78,809	958,086	37,512,279	39.2	13,857,314
1929	5,492	46,927	8.5	109,034	892,897	29,903,638	33.5	21,890,640
1928	7,964	67,441	8.5	141,111	905,693	33,691,418	37.2	23,420,648
1927	7,080	68,173	9.6	121,004	799,333	31,918,944	39.9	22,882,169
1926	7,712	75,736	9.8	148,149	770,981	28,577,629	37.1	18,697,998
1925	9,789	123,134	12.6	262,386	681,624	28,246,057	41.4	16,559,729
1924	6,619	77,801	11.8	162,590	645,622	26,403,332	40.9	18,231,508
1923	6,766	68,684	10.2	140,376	648,934	23,880,889	36.8	14,290,315
1922	4,556	48,662	10.7	106,046	552,399	21,270,479	38.5	11,882,085
1921	7,534	66,748	8.9	130,995	618,289	16,188,510	26.2	10,579,352
1920	21,053	224,893	10.7	515,983	581,689	25,712,447	44.2	20,556,442
1919	13,717	129,461	9.4	670,608	628,761	19,735,287	31.4	26,403,773
1918	15,925	196,221	12.3	*1,224,783	619,389	27,462,374	44.3	28,253,556
1917	7,372	....	....	....	515,593	20,102,421	39.0	20,876,501
1916	5,880	....	....	....	485,986	13,297,354	27.4	12,485,065
1915	5,334	....	....	....	475,738	19,461,609	40.9	10,602,271
1914	6,025	....	....	....	456,631	16,854,550	36.9	10,074,687
1913	7,431	....	....	....	414,517	15,113,480	36.5	7,953,111
1912	9,125	....	....	....	448,402	16,382,161	36.5	8,674,724
1911	12,128	....	....	....	486,112	14,845,595	30.5	9,104,141
1910	12,021	....	....	....	497,936	18,261,803	36.7	9,187,822
1909	11,253	....	....	....	474,530	16,199,434	34.1	8,825,196
1908	8,562	....	....	....	456,049	15,354,350	33.7	8,444,893
1907	9,296	....	....	....	443,100	14,202,511	32.1	7,811,381
Annual Averages:								
1922–1931	6,854	70,737	10.3	135,332	786,792	29,666,028	37.7	17,422,316
1912–1921	9,940	....	....	....	524,500	19,031,019	36.3	15,645,948
1907–1911	10,652	....	....	....	471,545	15,772,739	33.4	8,674,687
1907–1932	8,749	....	....	....	632,954	23,040,818	36.4	14,809,754

*Including seed of fibre variety commandeered and shipped to Ireland to the value of $930,769.

No estimates of yields of flax were made previous to 1918. The average for the fourteen years, 1918–1932, was 8,870 acres, yielding 92,417 bushels, valued at $263,415.

Tobacco

The following table gives the estimated area and production of Tobacco for the years 1922 to 1932, together with the annual average for this period.

Years	Acres	Pounds	Per acre
1932	45,106	45,759,830	1,014
1931	47,360	44,770,000	945
1930	27,376	27,546,447	1,006
1929	23,073	20,693,776	897
1928	33,977	35,585,848	1,047
1927	34,555	39,520,986	1,144
1926	19,992	25,557,724	1,278
1925	12,719	15,315,935	1,204
1924	12,399	14,525,471	1,172
1923	8,630	10,797,228	1,251
1922	9,189	10,031,870	1,202
Annual Averages:			
1922–1932	24,943	26,464,101	1,061

STATISTICS OF FARM CROPS

Husking Corn and Silo Corn

The following table gives the area, produce and market value of *Corn (for husking and for silo) for the years 1892 to 1932, together with the annual averages for the various periods of ten years and the average for the forty-one years.

Years	Corn for Husking				Corn for Silo			
	Acres	Bushels (in the ear)	Per acre	Market value	Acres	Tons (green)	Per acre	Market value
				$				$
1932	130,257	7,584,934	58.2	2,275,625	285,343	2,573,977	9.02	6,434,943
1931	123,960	8,151,239	65.8	2,157,322	264,286	2,301,527	8.71	9,206,108
1930	130,094	7,723,347	59.4	3,569,682	311,817	2,619,049	8.40	10,476,196
1929	120,000	6,674,942	55.6	4,460,367	287,566	2,221,467	7.73	9,574,523
1928	110,192	6,921,850	62.8	4,714,511	299,307	2,685,727	8.97	11,199,482
1927	102,626	5,449,213	53.1	3,613,287	326,964	2,490,660	7.62	10,012,453
1926	179,325	10,329,439	57.6	5,529,069	367,772	3,497,071	9.51	15,736,820
1925	207,767	14,604,467	70.3	8,131,617	373,133	3,614,233	9.69	15,360,490
1924	263,615	16,711,996	63.4	11,737,059	403,060	3,977,017	9.87	17,896,577
1923	285,335	19,292,244	67.6	9,710,461	409,628	3,651,102	8.91	14,604,408
1922	265,018	18,459,363	69.7	8,609,503	438,819	4,413,191	10.06	17,652,764
1921	250,684	20,313,661	81.0	8,012,455	438,343	5,015,082	11.44	25,075,410
1920	243,909	19,372,277	79.4	12,867,119	449,176	4,668,054	10.39	23,340,270
1919	221,004	15,152,475	68.6	16,400,838	399,549	4,013,946	10.05	20,069,730
1918	195,310	13,015,072	66.6	13,650,415	380,946	3,944,313	10.35	17,749,409
1917	258,935	11,513,512	44.5	14,278,407	511,329	4,587,176	8.97	18,348,704
1916	258,332	12,717,072	49.2	9,446,060	439,411	3,276,185	7.46	10,647,610
1915	309,773	21,760,496	70.2	9,885,292	443,736	4,874,377	10.98	12,185,943
1914	290,817	23,232,360	80.0	10,622,455	418,105	4,751,223	11.36	11,878,058
1913	299,871	22,214,014	74.1	9,545,538	388,138	4,059,345	10.46	10,148,363
1912	301,251	21,969,468	72.9	8,162,565	377,982	3,969,597	10.50	9,923,993
1911	308,350	21,913,290	71.7	9,693,994	335,935	3,764,227	11.21	9,410,568
1910	320,519	24,900,386	77.7	9,301,245	326,627	3,788,364	11.60	7,576,728
1909	322,789	22,619,690	70.1	9,705,826	288,346	3,374,655	11.70	6,749,310
1908	299,690	23,601,122	78.8	9,440,336	233,753	2,729,265	11.68	5,458,530
1907	338,573	21,899,466	64.7	6,219,448	200,354	2,029,547	10.13	4,059,094
1906	289,456	23,988,682	82.9	9,019,744	180,796	2,149,413	11.89	4,298,826
1905	295,005	20,922,919	70.9	7,720,557	184,784	2,284,812	12.36	4,569,624
1904	329,882	20,241,914	61.4	7,570,476	193,115	2,023,340	10.48	4,046,680
1903	378,924	29,287,888	77.3	10,807,230	209,727	2,564,400	12.23	5,128,800
1902	371,959	20,512,194	55.1	8,327,951	209,859	2,611,334	12.44	5,222,668
1901	323,923	24,838,105	76.7	9,438,480	197,932	2,359,514	11.92	4,719,028
1900	330,772	27,093,561	81.9	8,588,659	179,798	2,147,532	11.94	4,295,064
1899	333,590	21,673,234	65.0	4,291,300	171,935	1,697,755	9.87	3,395,510
1898	330,748	23,442,593	70.9	4,711,961	189,948	2,128,073	11.20	4,256,146
1897	335,030	24,663,998	73.6	4,858,808	209,005	2,669,822	12.77	5,339,644
1896	317,667	24,071,364	75.8	4,717,987	178,962	1,948,780	10.89	3,897,560
1895	302,929	24,819,899	81.9	5,609,297	149,899	1,775,654	11.85	3,551,308
1894	267,348	16,275,352	60.9	4,247,867	111,361	1,049,765	9.43	2,099,530
1893	217,294	14,072,961	64.8	3,729,335	95,865	1,049,524	10.95	2,099,048
1892	181,463	11,229,498	61.9	2,953,358	91,403	948,907	10.38	1,897,814
Annual Averages:								
1922–1931	178,793	11,431,810	63.9	6,223,288	348,235	3,147,104	9.04	13,171,982
1912–1921	262,989	18,126,041	68.9	11,287,114	424,672	4,315,930	10.16	15,936,749
1902–1911	325,515	22,988,755	70.6	8,780,681	236,330	2,731,936	11.56	5,652,083
1892–1901	294,076	21,218,057	72.2	5,314,705	157,611	1,777,533	11.28	3,555,065
1892–1932	262,048	18,176,379	69.4	7,764,232	291,556	2,982,902	10.23	9,502,286

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*The combined average area for corn for the ten years, 1882–1891, was 195,878 acres, the average value of the produce for the same period being $3,704,614. The combined average for corn for the fifty-one years, 1882–1932, was 483,462 acres, the average value of the produce for the same period being $14,607,321.

STATISTICS OF FARM CROPS

Potatoes and Turnips

The following table gives the area, produce and market value of Potatoes and Turnips for the years 1882 to 1932, together with the annual averages for the various periods of ten years and the average for the fifty-one years.

Years	Potatoes				Turnips			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1932	156,252	15,859,607	101.5	6,565,765	65,952	25,456,398	386	2,036,511
1931	168,158	20,026,501	119.1	4,735,770	68,323	23,489,120	344	2,348,912
1930	159,192	18,275,055	114.8	10,906,175	74,133	25,386,998	342	5,077,400
1929	148,435	14,140,088	95.3	15,271,732	72,502	22,848,692	315	4,569,738
1928	181,241	19,791,851	109.2	11,052,928	71,791	34,323,412	478	6,864,682
1927	159,871	15,495,307	96.9	13,662,224	68,479	29,452,281	430	5,448,672
1926	153,468	16,496,290	107.5	18,627,771	71,500	23,204,013	325	4,640,803
1925	163,790	15,714,786	95.9	21,513,125	73,318	28,015,466	382	5,042,784
1924	169,145	24,966,530	147.6	13,355,441	70,110	32,547,607	464	5,533,093
1923	164,682	19,131,980	116.2	14,306,447	65,193	27,099,910	416	5,419,982
1922	172,858	20,349,541	117.7	10,385,525	67,635	29,923,528	442	5,984,706
1921	164,096	15,400,142	93.8	13,589,599	70,715	24,265,547	343	6,673,025
1920	157,509	23,961,709	152.1	23,776,530	80,588	40,141,406	498	11,038,887
1919	157,286	15,144,921	96.3	25,026,467	85,312	28,740,526	337	7,903,645
1918	166,203	19,375,947	116.6	19,238,431	85,449	42,190,382	494	10,547,596
1917	146,481	18,291,735	124.9	22,530,291	93,034	39,989,556	430	7,997,911
1916	139,523	7,408,429	53.1	9,684,215	91,670	24,067,699	263	3,369,478
1915	173,934	13,267,023	76.3	10,805,026	97,451	46,598,851	478	4,659,885
1914	167,591	26,717,587	159.4	11,747,332	95,371	46,336,708	486	4,633,671
1913	159,661	19,024,115	119.2	12,114,656	97,572	41,889,894	429	4,188,989
1912	158,888	21,346,394	134.3	13,604,052	101,529	49,561,566	488	4,956,157
1911	162,457	13,918,698	85.7	11,722,539	100,593	39,664,275	394	3,966,428
1910	168,454	21,927,804	130.2	10,798,597	108,360	49,425,472	456	4,942,547
1909	169,695	24,645,283	145.2	8,989,452	113,400	50,738,940	447	5,073,894
1908	166,974	18,517,642	110.9	8,874,201	120,920	41,210,189	341	4,121,019
1907	177,186	20,057,675	113.2	11,693,625	123,011	48,205,605	392	4,820,561
1906	136,064	15,020,299	110.4	8,080,921	132,512	57,060,151	431	5,706,015
1905	132,530	14,366,049	108.4	6,608,383	135,348	57,654,086	426	5,765,409
1904	133,819	15,479,122	115.7	7,847,915	133,207	64,861,703	487	6,486,170
1903	139,011	16,676,447	120.0	7,354,313	134,469	69,316,341	515	6,931,634
1902	144,733	12,942,502	89.4	7,312,514	136,725	71,740,204	525	7,174,020
1901	154,155	18,116,637	117.5	7,717,687	145,909	68,287,467	468	6,828,747
1900	163,754	21,476,439	131.2	5,605,351	156,583	59,330,395	379	5,933,040
1899	168,148	19,933,366	118.5	6,538,144	153,440	58,078,390	379	5,807,839
1898	169,946	14,358,625	84.5	6,332,154	151,601	64,727,882	427	6,472,788
1897	169,333	16,100,797	95.1	6,424,218	149,336	68,297,148	457	6,829,715
1896	178,965	21,305,477	119.0	5,582,035	148,234	69,814,841	471	6,981,484
1895	184,647	29,390,884	159.2	5,936,959	151,806	63,496,702	418	6,349,670
1894	167,253	17,163,130	102.6	6,075,748	147,657	61,694,487	418	6,169,449
1893	142,601	12,911,212	90.5	5,099,929	136,604	56,975,355	417	5,697,535
1892	145,703	12,289,817	84.3	6,194,068	129,627	63,541,641	490	6,354,164
1891	160,218	24,055,886	150.1	7,842,219	126,075	68,853,452	546	6,885,345
1890	158,094	17,561,117	111.1	7,779,575	111,055	47,040,563	424	4,704,056
1889	145,812	14,355,529	98.5	6,531,766	111,103	37,021,260	333	3,702,126
1888	153,915	22,273,607	144.7	7,060,733	113,188	47,640,237	421	4,764,024
1887	140,283	10,678,000	76.1	6,705,784	105,322	31,413,456	298	3,141,346
1886	140,143	16,012,358	114.3	7,189,548	98,931	47,061,053	476	4,706,105
1885	159,741	21,091,144	132.0	8,668,460	102,303	41,137,735	402	4,113,774
1884	168,757	27,546,261	163.2	11,018,504	104,190	44,406,363	426	4,440,636
1883	166,823	16,400,782	98.3	10,168,485	98,429	29,879,354	304	2,987,935
1882	160,700	18,432,145	114.7	11,796,573	78,823	35,359,331	448	3,535,933
Annual Averages:								
1922–1931	164,084	18,438,793	112.4	13,381,714	70,298	27,629,103	393	5,093,077
1912–1921	159,117	17,993,800	113.1	16,211,660	89,869	38,378,214	427	6,596,924
1902–1911	153,092	17,355,152	113.4	8,928,246	123,855	54,987,697	444	5,498,770
1892–1901	164,451	18,304,638	111.3	6,150,629	147,080	63,424,431	431	6,342,443
1882–1891	155,449	18,840,683	121.2	8,476,165	104,943	42,981,280	410	4,298,128
1882–1932	159,180	18,140,986	114.0	10,549,998	106,400	45,087,522	424	5,496,665

STATISTICS OF FARM CROPS

MANGELS AND SUGAR BEETS

The following table gives the area, produce and market value of Mangels for the years 1882 to 1932, and of Sugar Beets for the years 1907 to 1932, together with the annual averages for the various periods of ten years and the average for the full period.

Years	Mangels				Sugar Beets			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1932	31,797	12,781,446	402	1,022,515	33,256	13,302,394	400	1,745,939
1931	32,399	11,855,500	366	1,185,550	35,258	13,105,869	372	1,965,880
1930	29,055	10,626,135	366	2,125,227	38,220	13,614,358	356	2,333,909
1929	30,395	9,728,083	320	1,945,617	36,864	12,146,230	329	2,022,347
1928	33,567	14,738,443	439	2,947,689	45,294	15,215,990	336	2,757,898
1927	34,665	13,494,700	389	2,496,520	38,503	13,453,691	349	2,606,653
1926	34,009	13,548,484	398	2,709,697	41,594	18,831,084	453	3,766,217
1925	35,385	14,881,069	421	2,678,592	37,718	16,686,713	442	3,003,608
1924	35,958	15,616,128	434	2,654,742	36,080	13,346,456	370	2,272,570
1923	35,118	14,865,791	423	2,973,158	22,450	8,647,615	385	1,729,523
1922	35,274	16,366,353	464	3,273,271	20,725	7,616,281	367	1,523,246
1921	31,225	11,909,854	381	3,275,210	28,367	10,712,975	378	2,946,068
1920	36,450	17,174,290	471	4,722,930	36,288	16,497,067	455	4,536,693
1919	35,010	13,409,270	383	3,687,549	24,500	9,586,495	391	2,636,286
1918	40,714	18,244,453	448	4,561,113	22,894	9,398,141	411	2,349,535
1917	49,148	19,492,626	397	3,898,525	22,039	6,781,113	308	1,356,223
1916	42,793	9,756,015	228	1,365,842	22,482	6,023,938	268	843,351
1915	50,799	25,356,323	498	2,028,506	22,890	8,644,281	378	1,080,535
1914	50,663	25,439,520	502	2,035,162	18,534	7,466,819	403	933,352
1913	54,568	21,935,847	402	1,754,868	19,083	6,389,177	335	798,647
1912	60,103	27,671,114	460	2,213,689	21,054	7,819,066	371	977,383
1911	64,855	28,126,313	434	2,250,105	24,664	8,941,659	363	1,117,707
1910	68,966	34,686,137	503	2,774,891	26,879	11,238,577	418	1,348,629
1909	70,488	28,928,347	410	2,314,267	19,812	7,001,565	353	840,188
1908	67,937	29,870,966	440	2,389,677	17,453	7,004,748	401	840,570
1907	68,644	30,260,315	441	2,420,825	16,851	8,237,044	489	988,445
1906	69,352	32,863,192	474	2,629,055	....	....	....	....
1905	69,035	33,216,930	481	2,657,354	....	....	....	....
1904	71,344	33,595,440	471	2,687,635	....	....	....	....
1903	80,918	41,768,239	516	3,341,459	....	....	....	....
1902	76,553	39,140,924	511	3,131,274	....	....	....	....
1901	61,095	29,683,324	486	2,374,666	....	....	....	....
1900	54,543	24,728,525	453	1,978,282	....	....	....	....
1899	53,401	20,898,387	391	1,671,871	....	....	....	....
1898	47,923	21,957,564	458	1,756,605	....	....	....	....
1897	41,175	18,103,387	440	1,448,271	....	....	....	....
1896	36,101	16,849,401	467	1,347,952	....	....	....	....
1895	34,383	15,961,502	464	1,276,920	....	....	....	....
1894	27,670	11,532,127	417	922,570	....	....	....	....
1893	21,519	8,582,568	399	686,605	....	....	....	....
1892	22,026	10,350,474	470	828,038	....	....	....	....
1891	22,961	11,779,448	513	942,356	....	....	....	....
1890	25,953	11,594,518	447	927,561	....	....	....	....
1889	21,211	7,223,478	341	577,878	....	....	....	....
1888	21,459	10,020,659	467	801,653	....	....	....	....
1887	17,924	5,695,761	318	455,661	....	....	....	....
1886	18,170	8,787,743	484	703,019	....	....	....	....
1885	16,435	7,660,729	466	612,858	....	....	....	....
1884	18,341	8,655,184	472	692,415	....	....	....	....
1883	17,219	6,252,015	363	500,161	....	....	....	....
1882	15,792	7,711,420	488	616,913	....	....	....	....
Annual Averages:								
1922–1931	33,583	13,572,069	404	2,499,006	35,271	13,266,429	376	2,398,185
1912–1921	45,147	19,038,931	422	2,954,339	23,813	8,931,907	375	1,845,807
1902–1911	70,809	33,245,680	470	2,659,654	*21,132	*8,484,719	*402	*1,027,108
1892–1901	39,984	17,864,726	447	1,429,178	....	....	....	....
1882–1891	19,546	8,538,096	437	683,048	....	....	....	....
1882–1932	41,617	18,340,715	441	2,024,995	†28,067	†10,681,129	†381	†1,896,977

*1907–11. †1907–32.

STATISTICS OF FARM CROPS

Alfalfa and Hay and Clover

The following table gives the area, produce and market value of Alfalfa for the years 1912 to 1932, and of Hay and Clover for the years 1882 to 1932, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	Alfalfa				Hay and Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
1932	527,793	1,403,923	2.66	11,527,009	†2,780,349	4,420,718	1.59	32,005,889
1931	431,110	971,304	2.25	9,816,770	†2,858,923	4,615,372	1.61	38,906,045
1930	641,686	1,409,528	2.20	16,065,846	†2,849,702	4,353,094	1.53	45,365,729
1929	685,880	1,596,212	2.33	19,546,701	†2,915,221	4,661,660	1.60	52,573,554
1928	743,230	1,730,135	2.33	20,020,248	†2,811,076	4,455,615	1.59	50,026,378
1927	806,397	1,865,868	2.31	21,915,225	†2,832,813	4,914,515	1.73	54,161,232
1926	748,473	1,850,392	2.47	25,889,781	†2,889,143	4,248,048	1.47	54,154,454
1925	550,645	1,397,462	2.54	19,306,047	†3,022,507	4,181,206	1.38	50,738,655
1924	381,258	1,067,717	2.80	12,252,536	3,545,856	5,615,238	1.58	61,283,373
1923	299,610	788,431	2.63	8,915,438	3,596,484	5,799,422	1.61	64,069,155
1922	221,326	629,135	2.84	7,439,403	3,575,662	5,568,459	1.56	66,964,036
1921	177,205	456,378	2.58	8,023,795	3,551,655	3,954,166	1.11	76,193,216
1920	162,820	399,581	2.45	10,172,434	3,533,740	4,459,094	1.26	109,036,159
1919	146,790	314,419	2.14	7,293,462	3,508,266	5,588,804	1.59	126,750,915
1918	144,010	328,971	2.28	6,579,420	3,470,036	4,596,854	1.32	83,344,591
1917	189,109	462,956	2.45	5,460,205	3,358,579	6,156,340	1.83	72,705,998
1916	177,565	460,788	2.60	4,822,622	3,294,419	6,739,259	2.05	71,503,879
1915	165,284	428,739	2.59	6,044,599	3,066,468	3,825,024	1.25	55,660,170
1914	163,685	372,759	2.28	5,195,667	3,251,799	3,469,795	1.07	50,721,713
1913	167,707	380,606	2.27	5,090,267	3,261,139	3,543,957	1.09	46,212,298
1912	189,959	460,201	2.42	5,542,772	3,177,410	4,760,512	1.50	55,906,657
1911					3,301,468	4,238,362	1.28	55,767,671
1910					3,204,021	5,492,653	1.71	54,407,105
1909					3,228,445	3,885,145	1.20	49,754,078
1908					3,253,141	4,635,287	1.42	47,696,579
1907					3,289,552	3,891,863	1.18	58,806,050
1906					3,069,917	4,684,625	1.53	42,630,087
1905					3,020,365	5,847,494	1.94	45,142,654
1904					2,926,207	5,259,189	1.80	41,915,736
1903					2,783,565	4,336,562	1.56	34,432,302
1902					2,646,202	4,955,438	1.87	40,386,820
1901					2,557,263	4,632,317	1.81	37,012,213
1900					2,526,566	3,133,045	1.24	26,568,222
1899					2,505,422	3,498,705	1.40	27,010,003
1898					2,453,503	4,399,063	1.79	27,362,172
1897					2,341,488	3,811,518	1.63	27,366,699
1896					2,426,711	2,260,240	.93	21,879,123
1895					2,537,674	1,849,914	.73	22,753,942
1894					2,576,943	3,575,200	1.39	27,028,512
1893					2,766,894	4,963,557	1.79	37,921,575
1892					2,515,367	4,384,838	1.74	35,955,672
1891					2,549,975	2,392,798	.94	28,498,224
1890					2,462,002	4,305,915	1.75	34,232,024
1889					2,386,223	3,728,313	1.56	37,208,564
1888					2,292,638	2,009,017	.88	33,570,674
1887					2,280,643	3,093,610	1.36	35,947,748
1886					2,295,151	2,994,446	1.35	29,016,182
1885					2,268,091	3,252,155	1.43	32,033,727
1884					2,193,369	3,044,912	1.39	29,109,359
1883					2,350,969	4,115,535	1.75	37,122,126
1882					1,825,890	2,090,626	1.14	24,125,824
Annual Averages								
1922–1931	550,962	1,330,618	2.42	16,116,800	3,141,888	4,946,462	1.57	54,824,511
1912–1921	168,413	406,540	2.41	6,422,524	3,347,351	4,709,381	1.41	74,803,560
1902–1911					*3,072,288	4,722,662	1.54	47,093,908
1892–1901					*2,520,783	3,650,840	1.45	29,085,813
1882–1891					*2,290,495	3,102,733	1.35	32,086,445
1882–1932	‡367,692	894,072	2.43	11,281,917	2,862,488	4,177,434	1.46	47,077,368

*Including Alfalfa. †Exclusive of Alsike and Sweet Clover, previously included. ‡1912-32.

STATISTICS OF FARM CROPS

Carrots and all Field Crops

The following table gives the area, produce and market value of Carrots and of all Field Crops for the years 1882 to 1932, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	Carrots				All Field Crops		
	Acres	Bushels	Per acre	Market value	Acres	Value	Per acre
				$		$	$ c.
1932	2,238	349,175	156	27,934	9,225,680	114,150,521	12.37
1931	3,179	436,517	137	43,652	9,176,062	125,219,586	13.65
1930	1,772	236,642	134	47,328	10,009,097	173,498,548	17.33
1929	1,777	222,903	125	44,581	10,020,294	236,651,277	23.62
1928	2,002	317,998	159	63,600	10,357,960	244,445,136	23.60
1927	1,743	286,863	165	53,070	10,305,045	256,627,042	24.90
1926	1,672	253,966	152	50,793	10,434,401	257,686,886	24.70
1925	1,835	325,478	177	58,586	10,364,317	261,490,292	25.23
1924	2,128	402,446	189	68,416	10,264,614	264,370,642	25.76
1923	1,780	285,270	160	57,054	10,296,961	219,114,500	21.28
1922	2,124	472,643	223	94,529	10,258,613	223,342,150	21.77
1921	2,217	410,501	185	112,888	10,075,073	222,177,881	22.05
1920	2,706	674,101	249	185,378	10,108,272	367,608,619	36.37
1919	2,706	605,803	224	166,596	9,915,884	397,238,400	40.06
1918	2,706	689,557	255	172,389	9,992,825	363,909,778	36.42
1917	2,920	758,292	260	151,658	9,718,259	333,353,438	34.30
1916	2,391	331,124	138	46,357	9,548,876	223,748,948	23.43
1915	2,439	686,232	281	85,779	9,762,951	210,674,415	21.58
1914	2,448	766,170	313	95,771	9,621,444	199,152,945	20.70
1913	2,400	592,016	247	74,002	9,541,537	168,455,253	17.65
1912	2,742	747,207	273	93,401	9,574,474	185,790,341	19.40
1911	3,207	815,129	254	101,891	9,718,741	179,974,358	18.52
1910	3,551	1,049,348	296	131,169	9,725,684	175,115,742	18.01
1909	3,506	1,001,653	286	125,207	9,578,323	167,966,577	17.54
1908	4,080	1,120,145	275	140,018	9,621,683	164,077,282	17.05
1907	4,530	1,585,500	350	198,187	9,750,615	176,354,759	18.09
1906	4,980	1,598,698	321	199,837	8,962,925	144,570,075	16.13
1905	5,509	1,846,659	335	230,832	8,897,898	142,804,431	16.05
1904	6,634	2,022,945	305	252,868	8,673,525	134,304,690	15.48
1903	7,805	2,612,778	335	326,597	8,731,405	136,657,807	15.65
1902	8,625	3,227,161	374	403,395	8,677,988	146,421,171	16.87
1901	9,221	3,199,967	347	399,996	8,667,512	128,325,648	14.81
1900	10,320	3,469,123	336	433,640	8,794,953	114,758,761	13.05
1899	11,891	3,674,035	309	459,254	8,753,926	105,771,321	12.08
1898	12,418	4,313,861	347	539,233	8,835,272	110,528,947	12.51
1897	12,025	4,433,628	369	554,204	8,701,705	106,952,471	12.29
1896	12,333	4,618,441	374	577,305	8,511,444	88,900,135	10.44
1895	13,002	4,581,373	352	572,672	8,321,173	99,655,895	11.98
1894	11,186	3,716,140	332	464,518	8,227,153	94,055,392	11.43
1893	9,288	2,971,450	320	371,431	8,054,612	101,886,557	12.65
1892	9,941	3,827,361	385	478,420	8,080,206	110,562,493	13.68
1891	9,858	3,814,016	387	476,752	7,834,213	130,866,023	16.70
1890	11,977	4,210,542	352	526,318	7,912,297	114,382,305	14.46
1889	11,261	3,431,959	305	428,995	7,758,583	106,500,799	13.73
1888	11,524	3,898,584	338	487,323	7,616,350	124,244,503	16.31
1887	9,110	2,105,686	231	263,210	7,429,084	99,583,524	13.40
1886	9,267	3,478,751	375	434,844	7,403,281	104,001,865	14.05
1885	9,024	3,462,319	384	432,790	7,350,443	110,068,586	14.97
1884	10,987	4,197,200	382	524,650	7,203,958	120,615,798	16.74
1883	11,270	3,984,436	354	498,055	7,542,623	114,754,141	15.21
1882	9,955	4,009,975	403	501,247	7,125,223	136,939,533	19.22
Annual Averages:							
1922–1931	2,001	324,073	162	58,164	10,148,736	225,244,606	22.19
1912–1921	2,568	626,100	244	118,422	*9,785,960	*267,211,002	27.31
1902–1911	5,243	1,688,002	322	211,000	9,233,879	156,824,689	16.98
1892–1901	11,163	3,880,538	348	485,068	8,494,796	106,139,762	12.49
1882–1891	10,243	3,659,347	351	457,417	7,517,606	116,195,708	15.48
1882–1932	6,200	2,002,544	323	261,345	9,039,911	173,339,376	19.17

*Including Flax, 1918–1921.

No statistics of "mixed grains" were taken previous to 1907, when an acreage of 443,100 was estimated.

STATISTICS OF FARM CROPS

The following table gives the area in Cleared Pasture, Summer Fallow, Orchards and Small Fruits, for the years 1909 to 1932. Strawberries and Vineyard for the years 1925–1932.

Years	Pasture (cleared)	Summer fallow	Orchard	Small fruits	Straw-berries	Vineyard
	acres	acres	acres	acres	acres	acres
1932	3,012,529	221,696	203,794	14,059	8,719	15,189
1931	3,039,026	221,174	203,231	14,206	8,012	15,793
1930	3,149,460	247,067	212,232	12,376	7,286	11,586
1929	3,134,614	247,802	214,370	12,367	7,613	11,255
1928	3,000,172	211,015	207,003	12,733	7,773	8,855
1927	3,012,786	212,906	211,225	13,437	7,836	7,905
1926	3,077,424	189,488	215,779	13,672	7,274	7,545
1925	3,193,941	162,649	223,343	14,147	7,185	6,558
1924	3,317,532	179,527	229,708	27,315	....	....
1923	3,472,642	186,123	235,349	27,497	....	....
1922	3,401,033	198,841	239,914	27,242	....	....
1921	3,401,998	260,277	242,921	26,175	....	....
1920	3,432,620	216,377	248,395	25,635	....	....
1919	3,499,802	276,337	257,006	25,244	....	....
1918	3,561,754	248,463	265,678	24,596	....	....
1917	3,509,945	232,679	280,326	21,964	....	....
1916	3,409,581	331,736	280,653	22,817	....	....
1915	3,350,420	226,217	288,825	23,443	....	....
1914	3,302,503	268,714	298,627	23,863	....	....
1913	3,120,146	268,487	306,764	24,360	....	....
1912	3,082,671	278,317	310,096	24,699	....	....
1911	3,116,768	279,220	303,188	25,360	....	....
1910	3,159,712	254,038	298,347	24,384	....	....
1909	3,180,780	231,707	300,364	24,614	....	....

1909–1924 Strawberries and Vineyard included in Small Fruits.

STATISTICS OF FARM CROPS

Alsike and Sweet Clover

The following table gives the area, produce and market value of Alsike and Sweet Clover for the years 1925 to 1932.

Years	Alsike				Sweet Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
1932	95,113	143,668	1.51	918,106	318,552	705,119	2.21	3,701,809
1931	97,128	152,516	1.57	1,276,341	306,067	669,446	2.19	4,519,783
1930	141,480	206,020	1.46	2,010,571	338,234	704,281	2.08	5,363,894
1929	189,848	289,560	1.53	2,958,780	388,106	803,576	2.07	6,595,169
1928	155,867	235,325	1.51	2,457,119	413,468	924,608	2.24	7,067,707
1927	176,870	290,345	1.64	2,991,247	400,296	927,342	2.32	7,075,797
1926	129,477	179,664	1.39	2,217,556	365,102	810,852	2.22	7,222,221
1925	177,382	259,649	1.46	2,855,850	344,114	792,340	2.30	7,144,050

STATISTICS OF FARM CROPS

Ratios of Area under Crop

The following table shows the number of acres under the various crops per 1,000 acres of cleared land for the years 1882 to 1932, together with the annual averages for the various periods of ten years and for the whole term of years.

Year	Fall Wheat	Spring Wheat	Barley	Oats	Peas	Beans	Rye	Buckwheat	Corn	Potatoes	*Roots	Hay and Clover	Mixed Grains
1932	35.3	6.6	30.1	154.1	3.9	4.1	3.8	13.0	27.4	10.3	8.8	183.2	65.0
1931	34.6	6.5	28.8	153.5	3.9	5.0	4.1	11.8	25.6	11.1	9.2	188.3	66.7
1930	44.6	6.5	40.2	162.6	5.3	4.4	3.5	18.1	29.1	10.5	9.4	187.7	63.1
1929	45.6	7.0	41.0	154.0	5.2	4.2	3.4	19.4	26.9	9.8	9.3	192.2	58.9
1928	45.8	7.2	40.6	175.5	7.3	3.4	4.4	17.9	27.0	12.0	10.1	185.5	59.8
1927	49.6	7.9	34.0	177.7	7.0	3.1	4.8	16.5	28.4	10.6	9.5	187.1	52.8
1926	53.4	7.6	29.7	187.3	6.5	3.4	5.7	15.5	36.2	10.2	9.8	191.1	51.0
1925	49.5	7.5	28.9	187.9	8.8	4.0	6.5	17.1	38.5	10.8	9.8	234.7	45.1
1924	47.9	6.7	29.1	191.7	8.7	3.5	8.4	15.9	44.2	11.2	9.6	235.1	42.8
1923	47.6	7.4	30.1	197.1	7.8	2.7	8.2	15.3	46.2	10.9	8.3	238.9	43.1
1022	54.2	8.3	28.9	202.1	7.0	2.7	10.2	13.2	46.9	11.5	8.4	238.1	36.8
1921	41.4	10.2	30.8	206.1	7.1	1.8	8.2	9.9	45.9	10.9	8.8	236.5	41.2
1920	51.0	17.9	32.4	192.5	7.3	1.5	8.9	9.6	46.3	10.5	10.4	247.1	38.9
1919	41.6	24.2	38.2	179.5	8.5	1.5	9.4	12.0	41.7	10.6	9.9	245.3	42.2
1918	24.5	23.8	44.6	197.6	7.7	6.8	7.6	15.1	38.9	11.2	10.3	244.2	41.9
1917	39.8	12.4	37.4	187.6	6.1	7.5	9.0	10.4	52.3	10.0	11.4	240.9	35.0
1916	47.9	9.8	35.9	183.0	6.5	3.7	10.1	15.6	47.5	9.5	10.8	236.2	33.1
1915	55.5	11.1	37.8	196.4	8.7	4.3	11.9	13.2	51.5	11.9	11.9	221.0	32.5
1914	47.0	8.1	39.7	190.2	12.2	3.5	9.5	12.1	48.6	11.5	11.5	234.0	31.3
1913	44.5	8.0	43.0	186.0	12.2	4.6	8.2	15.7	47.4	11.0	12.0	236.2	28.5
1912	52.6	8.5	44.8	180.1	15.3	4.8	7.4	14.3	47.0	11.0	12.8	233.1	31.0
1911	58.2	9.3	42.9	187.7	21.2	3.6	6.9	13.1	44.8	11.3	13.4	229.6	33.8
1910	51.9	9.0	43.7	192.5	28.2	3.5	6.6	13.6	45.2	11.8	14.5	223.7	34.8
1909	46.5	9.5	48.8	189.0	26.7	3.2	6.6	12.4	42.9	11.9	14.5	226.5	33.3
1908	48.1	10.1	51.9	196.3	28.1	3.3	6.2	9.9	37.7	11.8	14.9	230.2	32.3
1907	47.9	10.2	54.3	207.7	24.1	3.4	4.8	8.0	38.2	12.6	15.1	233.0	31.4
1906	55.8	12.2	53.6	192.6	29.1	3.6	5.7	7.5	33.3	9.7	14.7	217.6	.....
1905	57.2	13.6	55.5	191.5	26.9	3.6	7.3	7.3	34.4	9.5	15.1	216.8	.....
1904	43.8	16.3	55.9	192.2	24.6	3.7	9.5	7.3	37.9	9.7	15.3	211.9	.....
1903	48.8	18.2	52.0	193.4	29.9	3.9	13.1	7.0	43.2	10.2	16.4	204.0	.....
1902	55.2	22.3	48.8	184.3	39.2	4.0	13.9	6.9	42.9	10.7	16.3	195.0	.....
1901	67.8	26.6	47.4	179.3	44.9	4.0	11.8	6.6	38.8	11.5	16.1	190.3	.....
1900	80.4	28.3	43.4	180.4	49.8	3.3	10.7	7.7	38.4	12.3	16.7	190.0	.....
1899	80.1	30.4	37.4	180.3	56.7	3.1	10.5	10.1	38.6	12.8	16.6	191.1	.....
1898	80.7	30.0	33.8	182.9	66.6	3.4	12.7	11.5	40.1	13.1	16.4	188.8	.....
1897	73.9	25.2	35.1	189.3	69.8	3.9	14.6	11.8	42.3	13.2	15.7	182.2	.....
1896	69.2	20.2	36.5	191.4	65.5	5.4	11.7	11.5	39.2	14.1	15.4	191.5	.....
1895	59.8	18.0	38.5	191.0	64.4	5.8	9.7	10.9	36.4	14.9	16.0	204.2	.....
1894	63.4	18.7	39.6	190.6	63.9	4.8	7.3	11.8	30.8	13.6	15.2	209.6	.....
1893	75.5	29.4	38.6	159.9	61.0	4.0	5.6	11.0	25.9	11.8	13.9	228.4	.....
1892	80.6	54.3	41.7	155.3	64.6	2.8	6.1	10.4	22.8	12.2	13.4	209.8	.....
1891	72.0	43.3	46.9	156.0	63.8	3.5	5.7	9.1	20.4	13.6	13.4	216.1	.....
1890	61.8	51.6	60.2	161.5	67.0	3.4	8.8	7.7	19.2	13.6	12.7	211.2	.....
1889	71.6	34.7	76.3	167.6	61.7	1.9	7.9	4.9	16.3	12.7	12.5	208.0	.....
1888	73.2	32.5	79.2	163.6	61.6	2.0	7.4	5.1	19.7	13.6	12.9	202.8	.....
1887	80.8	43.6	69.1	151.5	65.4	1.9	6.2	5.8	14.7	12.6	11.9	205.3	.....
1886	81.0	52.8	67.3	148.3	64.4	1.9	6.2	6.5	14.3	12.8	11.5	209.8	.....
1885	80.6	73.6	55.1	142.2	59.5	2.3	7.2	5.7	15.5	14.7	11.7	208.9	.....
1884	80.5	67.2	65.2	138.0	53.2	2.3	9.6	6.7	16.3	15.7	12.4	204.3	.....
1883	104.1	55.6	71.8	134.6	51.5	2.5	17.8	6.4	20.3	15.8	12.0	223.1	.....
1882	116.8	57.7	83.4	136.4	55.1	1.9	18.2	4.9	20.3	15.8	10.3	179.5	.....
Annual Averages:													
1922–1931	47.3	7.3	33.1	178.9	6.7	3.6	5.9	16.1	34.9	10.9	9.3	207.8	52.0
1912–1921	44.5	13.4	38.4	189.9	9.1	4.0	9.0	12.9	46.6	10.0	11.0	237.5	35.6
1902–1911	51.3	13.0	50.7	192.8	27.7	3.6	8.0	9.4	40.1	10.9	15.8	219.0	†33.1
1892–1901	73.2	28.0	39.2	180.2	60.5	4.1	10.1	10.3	35.5	12.9	15.6	198.2	.....
1882–1891	81.6	50.9	67.2	150.4	60.5	2.4	9.4	6.2	17.7	14.0	12.2	207.1	.....
1882–1932	57.5	20.5	44.3	179.2	29.9	3.6	8.3	11.3	40.8	11.7	13.4	211.0	‡42.7

*Mangels, turnips, carrots and sugar beets. †1907–1911. ‡1907–1932.

STATISTICS OF FARM CROPS

Market Prices

The following table gives the average Market Prices of Agricultural Products for the years 1882 to 1932, together with the annual averages for the various periods of ten years and for the whole term of years.

Years	Fall Wheat per bush.	Spring Wheat per bush.	Oats per bush.	Barley per bush.	Peas per bush.	Beans per bush.	Rye per bush.	Buckwheat per bush.	Corn (in ear) per bush.	Hay per ton	Potatoes per bush.
	cents	cents	cents	cents	cents	$ c.	cents	cents	cents	$ c.	cents
1932.........	46.0	45.0	25.0	36.0	65.0	.49	37.0	35.0	30.0	7.24	41.4
1931.........	51.6	50.9	25.0	36.5	62.6	.58	41.9	42.3	26.5	8.43	23.6
1930.........	66.3	65.5	29.7	35.9	104.8	1.44	48.5	51.7	46.2	10.42	59.7
1929.........	124.0	125.2	62.4	76.5	163.0	3.03	97.1	83.2	66.8	11.28	108.0
1928.........	122.0	119.2	55.5	74.2	152.8	3.83	95.2	81.5	68.1	11.23	55.8
1927.........	124.7	122.1	57.3	77.6	149.8	2.35	95.3	77.9	66.3	11.02	88.2
1926.........	125.1	125.1	51.8	68.0	150.6	2.34	87.2	77.0	53.5	12.75	112.9
1925.........	133.6	133.0	45.2	68.1	135.5	2.11	87.1	73.2	55.7	11.61	136.9
1924.........	133.9	137.0	54.2	82.2	151.1	2.29	107.5	86.7	70.2	10.91	53.5
1923.........	96.2	96.3	45.4	62.8	144.8	2.43	73.7	73.2	50.3	11.05	74.8
1922.........	104.6	105.1	43.5	61.3	140.3	2.54	78.4	73.5	46.6	12.03	51.0
1921.........	110.5	109.4	50.4	65.7	153.0	2.35	82.6	74.0	39.4	19.27	88.2
1920.........	193.4	183.8	58.2	93.8	193.3	2.88	142.0	105.5	66.4	24.25	99.2
1919.........	237.2	240.9	97.7	145.8	263.9	4.00	159.1	140.7	108.2	22.68	165.2
1918.........	210.9	208.6	75.0	103.6	217.7	4.49	151.7	135.0	104.9	18.13	99.3
1917.........	209.8	209.7	77.9	125.7	321.0	6.91	162.6	142.9	124.0	11.81	123.2
1916.........	161.3	162.2	66.0	101.9	210.5	5.46	118.8	109.0	74.3	10.60	130.1
1915.........	97.1	98.6	39.5	56.0	161.6	3.11	78.9	71.5	45.4	14.51	81.4
1914.........	109.1	107.9	49.5	64.3	136.6	2.14	84.9	71.5	45.7	14.55	44.0
1913.........	85.0	87.9	36.9	55.5	100.6	1.70	66.2	63.5	43.0	13.07	63.7
1912.........	91.7	90.0	38.6	58.7	110.3	1.93	70.0	54.5	37.2	11.77	63.7
1911.........	86.6	90.7	44.2	73.9	98.2	1.90	84.9	60.4	44.2	13.16	84.2
1910.........	86.6	89.6	35.0	52.0	80.7	1.55	63.2	50.0	37.3	9.91	49.2
1909.........	102.3	100.6	39.5	54.8	84.6	1.61	67.4	53.4	42.9	12.81	36.5
1908.........	89.2	90.8	40.3	52.4	82.7	1.48	69.7	54.2	40.0	10.25	47.9
1907.........	92.7	86.4	48.8	59.4	78.0	1.52	69.4	57.4	28.4	15.11	58.3
1906.........	70.7	68.9	34.0	45.0	70.6	1.39	60.9	49.5	37.6	9.10	53.8
1905.........	76.5	74.9	33.6	42.9	65.3	1.32	56.8	50.0	36.9	7.72	46.0
1904.........	98.7	94.2	32.3	43.7	63.0	1.22	57.6	48.6	37.4	7.97	50.7
1903.........	75.1	74.4	29.3	42.1	64.3	1.41	48.6	44.3	36.9	7.94	44.1
1902.........	70.7	69.6	34.8	45.1	71.0	1.35	50.5	48.0	40.6	8.15	56.5
1901.........	66.1	66.8	36.2	45.0	65.3	1.25	49.3	48.4	38.0	7.99	42.6
1900.........	66.4	67.5	26.5	38.9	57.1	1.00	48.5	43.7	31.7	8.48	26.1
1899.........	66.7	66.5	27.7	39.5	57.3	1.08	50.0	45.5	19.8	7.72	32.8
1898.........	69.4	69.2	25.8	38.0	52.2	.70	43.5	38.2	20.1	6.22	44.1
1897.........	78.2	78.6	22.6	27.0	42.1	.65	37.7	30.0	19.7	7.18	39.9
1896.........	71.0	70.6	20.0	31.6	44.0	.68	36.6	30.5	19.6	9.68	26.1
1895.........	69.3	69.8	29.1	40.4	54.8	.95	45.6	36.8	22.6	12.30	20.2
1894.........	55.0	55.5	30.8	40.5	53.6	1.10	44.2	39.2	26.1	7.56	35.4
1893.........	59.9	59.4	33.2	40.1	54.0	1.18	47.5	41.8	26.5	7.64	39.5
1892.........	70.7	67.8	30.8	41.3	59.0	.99	55.8	42.2	26.3	8.20	50.4
1891.........	95.1	92.9	36.5	49.1	63.8	1.06	72.3	44.1	31.1	11.91	32.6
1890.........	94.2	91.3	41.1	50.2	60.3	1.29	52.7	43.0	30.5	7.95	44.4
1889.........	88.4	88.1	30.5	44.0	55.7	1.27	50.9	39.5	25.9	9.98	45.5
1888.........	102.4	99.3	40.5	60.1	65.4	1.14	60.2	49.3	29.3	16.17	31.7
1887.........	78.4	78.0	34.6	56.7	55.9	.98	49.5	45.0	28.7	11.62	62.8
1886.........	73.6	72.5	32.0	51.3	52.6	.84	52.2	33.7	27.6	9.69	44.9
1885.........	81.5	80.6	31.5	55.2	58.0	.80	55.2	39.2	27.9	9.85	41.1
1884.........	80.5	81.4	33.1	53.6	64.4	1.18	59.7	40.0	45.0	9.56	40.0
1883.........	105.0	107.0	38.0	57.0	71.0	......	62.0	......	......	9.02	62.0
1882.........	101.0	106.0	43.0	65.0	74.0	1.97	64.0	40.0	40.0	11.54	64.0
Annual Averages:											
1922–1931	110.6	108.5	47.1	64.2	139.3	2.23	83.2	73.3	54.4	11.08	72.6
1912–1921	144.5	171.6	58.5	86.0	172.3	2.35	111.4	94.4	62.3	15.88	90.1
1902–1911	83.6	81.2	36.7	50.1	74.8	1.48	60.2	52.4	38.2	9.97	51.4
1892–1901	67.8	67.5	27.9	38.5	53.5	.93	44.9	38.7	25.0	7.97	33.6
1882–1891	90.0	89.6	34.3	54.5	61.6	1.16	60.0	41.5	......	10.34	45.0
1882–1932	97.0	97.3	42.1	58.6	70.9	1.88	72.2	65.7	*42.7	11.27	58.2

*Average for 41 years, 1892-1932.

STATISTICS OF LIVE STOCK

Number of Live Stock on Hand

The following table give the number of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the fifty-one years, 1882–1932.

Years	Horses	Cattle	Sheep	Swine	Poultry
	No.	No.	No.	No.	No.
1932	578,615	2,528,615	1,039,692	1,375,115	22,929,143
1931	578,157	2,509,205	1,044.355	1,359,176	23,736,125
1930	606,719	2,675,488	1,134,457	1,661,556	22,560,260
1929	606,505	2,671,594	1,130,395	1,681,263	22,045,091
1928	609,249	2,682,053	1,014,106	1,833,538	19,703,576
1927	617,136	2,709,954	956,267	1,883,177	19,048,045
1926	629,659	2,757,799	886,483	1,735,355	17,693,000
1925	644,138	2,809,373	868,526	1,678,595	17,778,581
1924	663,875	2,917,302	870,279	1,807,903	16,751,345
1923	673,371	2,838,087	907,673	1,734,734	15,203,384
1922	685,852	2,836,181	986,617	1,553,434	13,964,317
1921	694,237	2,890,113	1,081,828	1,563,807	11,458,206
1920	704,640	2,881,827	1,129,084	1,614,356	11,005,645
1919	719,569	2,927,191	1,101,740	1,695,487	11,705,809
1918	732,977	2,867,722	972,341	1,656,386	12,281,105
1917	765,873	2,827,609	956,986	1,664,639	13,606,292
1916	775,732	2,734,767	908,066	1,735,254	14,377,844
1915	779,131	2,674,746	908,095	1,769,295	14,273,091
1914	774,544	2,604,628	922,375	1,770,533	14,175,214
1913	751,726	2,628,845	996,155	1,618,734	13,511,383
1912	742,139	2,624,780	1,021,848	1,702,652	13,024,938
1911	737,916	2,593,205	1,040,245	1,744,983	12,942,293
1910	724,384	2,567,128	1,065,101	1,561,042	12,460,787
1909	728,308	2,668,584	1,130,667	1,551,187	12,086,580
1908	726,471	2,824,859	1,143,898	1,818,763	12,285,613
1907	725,666	2,926,236	1,106,083	2,049,666	13,428,076
1906	688,147	2,963,618	1,304,809	1,819,778	10,254,824
1905	672,781	2,889,503	1,324,153	1,906,460	9,738,493
1904	655,554	2,776,304	1,455,482	2,008,984	9,412,683
1903	639,581	2,674,261	1,642,627	1,977,386	9,683,573
1902	626,106	2,562,584	1,715,513	1,684,635	9,762,808
1901	620,343	2,507,620	1,761,799	1,491,885	9,745,236
1900	617,309	2,429,330	1,797,213	1,771,641	9,541,241
1899	615,524	2,318,355	1,772,604	1,971,070	9,344,024
1898	611,241	2,215,943	1,677,014	1,640,787	9,084,273
1897	813,670	2,182,326	1,690,350	1,284,963	8,435,341
1896	624,749	2,181,958	1,849,348	1,269,631	7,734,167
1895	647,696	2,150,103	2,022,735	1,299.072	7,752,840
1894	674,777	2,099,301	2,015,805	1,142,133	7,552,662
1893	685,187	2,057,882	1,935,938	1,012,022	7,114,436
1892	688,814	2,029,140	1,850,473	996,974	7,078,973
1891	678,459	1,978,815	1,693,751	1,156,316	7,006,090
1890	659,636	1,894,712	1,339,695	1,140,559	6,854,864
1889	618,795	1,891,899	1,344,180	835,469	6,304,298
1888	596,218	1,928,638	1,349,044	819,079	6,164,114
1887	575,361	1,948,264	1,396,161	832,817	6,438,361
1886	569,649	2,018,173	1,610,949	860,125	6,968,915
1885	558,809	1,976,480	1,755,605	822,262	6,336,805
1884	535,953	1,925,670	1,890,733	916,158	6,237,606
1883	560,133	1,828,613	1,868,784	906,727	5,847,344
1882	503,604	1,586,312	1,915,303	850,226	5,352,120

VALUE OF LIVE STOCK ON HAND

The following table gives the value of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the fifty-one years, 1882–1932, except for the ten years, 1882–1891, when farm live stock was valued in bulk.

Years	Horses	Cattle	Sheep	Swine	Poultry	Total
	$	$	$	$	$	$
1932	43,507,517	78,323,693	5,111,312	7,219,718	10,418,176	144,580,416
1931	50,528,572	91,834,417	6,652,107	11,987,324	10,729.925	171,732,345
1930	60,606,827	136,496,344	10,835,770	18,643,164	13,372,682	239,954,787
1929	66,603,793	150,480,760	12,457,554	20,430,803	13,473,814	263,446,724
1928	67,085,352	128,937,680	11,209,872	19,808,890	12,452,203	239,493,997
1927	66,724,527	117,162.152	10,433,761	24,159,535	12,333,645	231,145,720
1926	68,239,756	115,386,214	9,688,685	24,525,126	12,400,985	230,240,766
1925	69,787,791	115,844,069	9,576,722	24,424,238	13,527,454	233.160,274
1924	72,617,565	113,046,599	7,081,500	16,201,699	13,446,621	222.393,984
1923	74,542,351	109,467,066	6,597,087	19,018,668	12,401,083	222,026,255
1922	74,535,855	103,899,416	6,612,959	16,550,636	12,241,252	213,840,118
1921	75,680,750	103,861,565	8,207,564	19,205,488	11,168,318	218.123,685
1920	89,606,594	176,897,490	16,191,741	32,253,804	11,787,708	326,737,337
1919	92,823,683	184,041,594	18,128,240	33,263,051	11,351,364	339,607,932
1918	95,710,928	172,259,261	15,690,055	31,140,181	9,307,051	324,107,476
1917	99,439,558	150,309,828	9,946,030	21,464,366	8,517,195	289,676,977
1916	101.434,391	128,324,526	7,386,710	18,790,755	7,933,157	263,869,539
1915	107,982,037	115,363,336	6,403,907	17,562,726	7,670,326	254,982,332
1914	112,576,793	106,635,148	6,155,451	17,951,258	7,551,428	250,870,078
1913	113,240,047	95,759,022	6,242,672	15,393,192	6,956,952	237,591,885
1912	109,000,214	90,403,902	6,181,595	14,141,908	6,121,323	225,848,942
1911	103,373,206	84,634,962	6,213,021	14,593,917	5,905,318	214,720,424
1910	92,757,431	76,872,723	6,127,018	13,265,834	5,393,031	194,416,037
1909	87,682,689	75,247,197	6,262,493	11,144,135	4,411,386	184,747,900
1908	85,847,391	77,255,267	6,336,265	12,135,979	4,439,854	186,014,756
1907	85,041,144	79,485,780	5,928,325	14,174,502	4,854,381	189,484,132
1906	79,814,953	80,303,276	6,721,119	12,770,708	3,697,338	183,307,394
1905	73,911,177	76,764,482	6,191,774	12,280,667	3,335,660	172,483,760
1904	68,138,228	72,821,003	6,425,100	12,921,743	3,077,029	163,383,103
1903	61,811,456	69,289,924	7,228,498	13,023,743	2,973,646	154,327,267
1902	55,173,637	63,517,342	7,634,284	11,262,265	2,957,286	140,544,814
1901	50,038,465	59,527,119	7,772,793	9,298,712	2,859,172	129,496,261
1900	46,916,999	56,320,810	7,711,496	9,598,153	2,727,363	123.274,821
1899	42,713,557	52,938,500	7,315,729	10,180,338	2,658,321	115,806,445
1898	38,659,896	47,286,254	6,499,695	8,720,242	2,578,136	103,744,223
1897	36,111,805	42,683,557	6,003,194	6,533,210	2,318,038	93,649,804
1896	37,185,692	44,383,638	6,652,202	6,505,227	2,130,807	96.857,566
1895	40,283,754	46,708,017	7,708,442	7,101,211	2,156,623	103,958,047
1894	46,245,614	47,577,587	8,606,671	6,909,262	2,208,518	111,547,652
1893	50,527,472	47,718,025	9,016,118	6,622,129	2,187,158	116,070,902
1892	55,812,920	45,548,475	8,569,557	5,479,093	2,091,450	117,501,495
1891	....	....	....	....	....	108,721,076
1890	....	....	....	....	....	104,086,626
1889	....	....	....	....	....	105,731,288
1888	....	....	....	....	....	102,839,235
1887	....	....	....	....	....	104,406,655
1886	....	....	....	....	....	107,208,935
1885	....	....	....	....	....	100,690,086
1884	....	....	....	....	....	103,106,829
1883	....	....	....	....	....	100,082,365
1882	....	....	....	....	....	80,540,720

VALUES PER HEAD OF LIVE STOCK AND POULTRY ON HAND FOR THE YEARS 1892 TO 1932

Years	Horses all Ages	Cattle		Sheep and Lambs	Swine all Ages	Poultry all Kinds
		Milch Cows	Other Cattle			
	$	$ c.	$ c.	$ c.	$ c.	$ c.
1932	75	43 42	20 18	4 92	5 25	45
1931	87	52 79	22 49	6 37	8 81	45
1930	100	73 11	32 42	9 55	11 22	59
1929	110	80 34	35 61	11 02	12 15	61
1928	110	68 33	30 09	11 05	10 80	63
1927	108	60 92	27 05	10 91	12 83	65
1926	108	59 14	26 84	10 93	14 13	70
1925	108	58 55	27 70	11 03	14 55	76
1924	109	55 41	27 05	8 14	8 96	80
1923	111	55 24	25 14	7 27	10 96	82
1922	109	52 68	24 25	6 70	10 65	88
1921	109	51 56	24 77	7 59	12 28	97
1920	127	85 84	44 67	14 34	19 98	1 07
1919	129	88 71	46 37	16 45	19 62	97
1918	131	83 55	45 52	16 14	18 80	76
1917	130	75 54	39 55	10 39	12 89	63
1916	131	66 35	34 91	8 13	10 83	55
1915	139	60 83	32 18	7 05	9 93	54
1914	145	57 01	30 81	6 67	10 14	53
1913	151	50 56	27 29	6 27	9 51	51
1912	147	47 82	25 61	6 05	8 31	47
1911	140	45 31	24 07	5 97	8 36	46
1910	128	40 76	22 43	5 75	8 50	43
1909	120	38 19	21 45	5 54	7 18	37
1908	118	36 90	21 13	5 54	6 67	36
1907	117	36 43	21 15	5 36	6 92	36
1906	116	35 99	21 62	5 15	7 02	36
1905	110	35 06	21 29	4 68	6 44	34
1904	104	34 70	20 84	4 41	6 43	33
1903	97	34 15	20 58	4 40	6 59	31
1902	88	32 96	19 46	4 45	6 69	30
1901	81	31 74	18 57	4 41	6 23	29
1900	76	31 01	17 93	4 29	5 42	29
1899	69	30 31	17 41	4 13	5 16	28
1898	63	28 28	15 98	3 88	5 31	28
1897	59	26 13	14 58	3 55	5 08	27
1896	60	27 60	15 05	3 60	5 12	28
1895	62	29 74	16 08	3 81	5 47	28
1894	69	31 02	17 15	4 27	6 05	29
1893	74	31 63	17 78	4 66	6 54	31
1892	81	29 95	17 69	4 63	5 50	30

VALUE OF FARM PROPERTY

LAND, BUILDINGS, IMPLEMENTS AND LIVE STOCK

The following table gives the estimated values of Farm Land, Farm Buildings, Implements (including vehicles) and Live Stock on hand on June 15th, for the years 1882 to 1932.

Years	Land	Buildings	Implements	Live Stock on hand	Total
	$	$	$	$	$
1932	844,025,782	473,255.236	154,723,478	144,580,416	616,584,912
1931	954,869,758	537,279,170	175,176,334	171,732,345	1,839,057,607
1930	962,861,922	540,570,877	177,648,862	239,954,787	1,921,036,448
1929	963,503,959	535,923,912	176,909,961	263,446,724	1,939,784,556
1928	940,311,406	518,209,271	171,181,259	239,493,997	1,869,195,933
1927	906,811,595	506,981,024	168,842,552	230,813,620	1,813,448,791
1926	876,177,637	493,551,144	164,478,485	230,240,766	1,764,448,032
1925	879,212,498	490,027,751	164,188,030	233,160,274	1,766,588,553
1924	885,348,351	484,539,016	164,021,854	222,393,984	1,756,303,205
1923	904,659,633	480,260,117	163,033,141	222,026,255	1,769,979,146
1922	880,896,544	479,451,680	163,830,154	213,840,118	1,738,018,496
1921	851,300,059	484,188,897	159,913,871	218,123,685	1,713,526,512
1920	861,116,234	467,010,867	153,780,378	326,737,337	1,808,644,816
1919	848,767,153	426,649,086	137,310,618	339,607,932	1,752,334,789
1918	819,164,298	380,244,880	109,896,874	324,107,476	1,633,413,528
1917	807,426,986	370,384,055	104,581,053	289,676,977	1,572,069,071
1916	794,676,866	357,313,850	98,020,295	263,869,539	1,513,880,550
1915	794,393,564	352,628,031	95,049,350	254,982,332	1,497,053,277
1914	790,538,706	347,348,643	91,703,876	250,870,078	1,480,461,303
1913	782,993,853	345,303,335	89,702,273	237,591,885	1,455,591,346
1912	758,729,268	335,141,520	86,231,210	225,848,942	1,405,950,940
1911	723,902,419	317,876,963	84,969,426	214,720,424	1,341,469,232
1910	700,905,425	306,517,941	81,570,981	194,416,037	1,283,410,384
1909	680,789,629	297,690,826	77,790,754	184,747,900	1,241,019,109
1908	671,531,018	288,180,121	74,485,730	186,014,756	1,220,211,625
1907	674,505,427	284,672,238	72,910,875	189,484,132	1,221,572,672
1906	661,199,920	273,414,187	71,197,619	183,307,394	1,189,119,120
1905	649,201,364	264,384,514	68,629,546	172,483,760	1,154,699,184
1904	640,544,541	257,995,484	65,992,210	163,383,103	1,127,915,338
1903	620,869,475	247,629,153	63,996,190	154,327,267	1,086,822,085
1902	604,860,063	237,289,668	62,199,787	140,544,814	1,044,894,332
1901	585,354,294	226,575,228	59,897,513	129,496,261	1,001,323,296
1900	574,727,610	219,488,370	57,324,130	123,274,821	974,814,931
1899	563,271,777	213,440,281	54,994,857	115,806,445	947,513,360
1898	556,246,569	210,054,396	52,977,232	103,744,223	923,022,420
1897	554,054,552	206,090,159	51,299,098	93,649,804	905,093,613
1896	557,468,270	205,235,429	50,730,358	96,857,566	910,291,623
1895	572,938,472	204,148,670	50,944,385	103,958,047	931,989,574
1894	587,246,117	204,071,566	51,530,172	111,547,652	954,395,507
1893	602,664,361	200,189,888	51,435,919	116,070,902	970,361,070
1892	615,828,471	195,644,258	51,003,020	117,501,495	979,977,244
1891	621,245,223	191,268,327	50,651,442	108,721,076	971,886,068
1890	622,886,000	193,438,826	50,515,583	104,086,626	970,927,035
1889	632,329,433	192,464,237	51,685,706	105,731,288	982,210,664
1888	640,480,801	188,293,226	49,754,832	102,839,235	981,368,094
1887	636,883,755	184,753,507	49,248,297	104,406,655	975,292,214
1886	648,009,828	183,748,212	50,530,936	107,208,935	989,497,911
1885	626,422,024	182,477,905	48,569,725	100,690,086	958,159,740
1884	625,478,707	173,386,925	47,830,710	103,106,828	949,803,170
1883	654,793,025	163,030,675	43,522,530	100,082,365	961,428,595
1882	632,342,500	132,712,575	37,029,815	80,540,720	882,625,610

Thirty-first Annual Report

OF THE

Temiskaming and Northern Ontario Railway Commission

ONTARIO GOVERNMENT RAILWAY
Hon. Geo. S. Henry, Premier

For the Year Ending October 31st

1932

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 23, 1933

ONTARIO

TORONTO
Printed and Published by Herbert H. Ball, Printer to the King's Most Excellent Majesty
1933

THE HONOURABLE HERBERT A. BRUCE,

Lieutenant-Governor of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present herewith the Thirty-First Annual Report of the Temiskaming and Northern Ontario Railway, for the year ending October 31st, 1932.

Respectfully submitted,

GEO. S. HENRY

Prime Minister.

Toronto, February 14th, 1933.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION

GEO. W. LEE	Chairman, North Bay
LIEUT.-COL. L. T. MARTIN	Vice-Chairman, Ottawa
COL. J. I. McLAREN	Commissioner, Hamilton
W. H. MAUND	Secretary-Treasurer, North Bay

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

The Railway has successfully closed another year of operation. Depressed business conditions which have been national and world-wide in extent resulted in reduced passenger and freight business throughout the system and this is reflected in the financial statement of operation of the road.

Of the railways of this country probably the T. & N. O. Railway was the last one to be greatly affected by the far reaching reduction in general business conditions which have attended every branch of human endeavour.

* * * *

Economy in train movements, consequent upon changed conditions, was undertaken to meet the situation and while the requirements of the public were fully served in all lines; a saving in cost of operation was effected, which, to a degree, offset the decline in volume of business, without affecting the efficiency of operation.

Taking the many factors into consideration the Railway stood the strain remarkably well, especially when it is recorded that the necessary reduction in employment was kept at a minimum.

* * * *

The following condensed comparative statement of the road's operations for 1931 and 1932 plainly shows the reductions presented in the latter year's reduced traffic conditions.

	1932	1931
Revenue—Transportation	$3,621,991 02	$4,548,663 16
Revenue—Incidental	294,615 95	387,362 89
Total	$3,916,606 97	$4,936,026 05
Decrease, 1932 (20.65 per cent.)	1,019,419 08	
Expenditure—Operating	$3,062,956 14	$3,553,688 07
Other Expenditures	380,565 56	446,540 88
	$3,443,521 70	$4,000,228 95
Decrease, 1932 (13.9 per cent.)	556,707 25	
Net Results	$473,085 27	$935,797 10
Decrease, 1932 (49.44 per cent.)	462,711 83	

The gross revenue from all sources in 1932 shows a decrease of $1,019,419.08 (20.65 per cent.) as compared with 1931, and a decrease in gross expenditures of $556,707.25 (13.9 per cent.) compared with preceding fiscal year, while the net revenue is decreased by $462,711.83 (49.44 per cent.).

* * * *

The most important industry of Northern Ontario is undoubtedly gold mining; which is steadily developing and increasing in output, as its established mines are speeded up in production and new fields of importance are opened up for near future development. During the past year the bonus paid on gold by the Ottawa Mint has been an added incentive and a source of much profit for the producer. Gold mining continues day and night throughout the year, irrespective of seasonal conditions.

Indicating the value of the several mining areas within the territory directly served by the T. & N. O. Railway it is of interest to record that total dividends paid by this industry to end of 1932, are as follows:

Cobalt, etc. Silvers	$105,444,883 10
Porcupine, Timmins, etc. Gold	90,766,937 37
Kirkland Lake—Gold	41,607,936 10
Total	$237,819,756 57

Canada now occupies second place in world gold production, exceeded only by South Africa.

* * * *

The history of the Railway has been one of probably unequalled success in the opening of new areas of wealth as it proceeded with its construction.

Hardly had work commenced when the remarkable silver district of Cobalt was found in 1903 and from that time until 1930 silver bullion was forthcoming at an average rate of 1¾ tons every working day, with an approximate total value of two hundred and fifty million dollars ($250,000,000.00). The distribution of this vast sum of new wealth by way of trade channels made for added prosperity of the Province.

* * * *

Active operation of the Porcupine ore gold mines commenced in 1910, and during the twenty-two years since its discovery has produced in excess of three hundred million dollars, and the annual output is now about $20,000,000.00 and increasing.

As a concrete example of the amount of new wealth produced, it is a fact that one (1) mine alone has paid in *dividends*, a sum far in excess of the capital structure cost of the T. & N. O. Railway to date.

* * * *

The average shipments of gold bullion over the Temiskaming and Northern Ontario Railway from Porcupine and Kirkland Lake now amount to one million dollars every ten (10) days.

* * * *

Another chapter in the history of the road's progress and achievement was recorded on July 15th, last when Premier Geo. S. Henry opened the newly completed main line extension (187 miles) between Cochrane and Moosonee, whereby Northern Ontario's frontier was extended to James Bay waters, affording an outlet to the province for coastal shipping on a shore line of two thousand miles in the navigable waters of the Sub-Arctic.

* * * *

The Province now has rail connections from the Great Lakes to James Bay through a forested and habitable country, powered with great rivers and possessed of enormous potential wealth in lignite, timber, gypsum, china clay, pulpwood and enormous deposits of high grade iron ore. The southern part of the newly opened territory has agricultural possibilities equal to those afforded in the clay belt.

The continued policy of branch line construction and main line extension has resulted in bringing the mining, farming, lumbering and general industries on the line of the railway into close proximity with the business and financial centre of the Province and eastern United States.

* * * *

During the year under review Commission paid the sum of $240,000.00 to provide for matured interest on its debenture bond issue of $6,000,000.00 and paid premiums for insurance against loss by fire in the capital sum of $3,500,000.00 and also exchange costs.

* * * *

The results of the current year's operation have in the main proved as satisfactory as expected, considering the general depression and slackening of business experienced by the country at large, and which particularly affected the earnings of this and all other Railways.

* * * *

In conclusion, I am pleased to report that notwithstanding reduced traffic the railway has been fully maintained and the roadbed and equipment kept up to Commission's high standard of efficiency.

It is sincerely hoped and expected that an upturn in general conditions will be made manifest during the coming year and that we shall gradually—if slowly—ultimately return to normal. Commission's faith in the future of the territory served by the Railway is as sincere and unbounded as ever, and with the assured support of the public, who own the undertaking, and the continued co-operation of its employees, they look forward with a confidence born of experience and fulfillment of achievement.

GEO. W. LEE,
Chairman.

AUDITORS' REPORT

EDWARDS, MORGAN & COMPANY
TORONTO, ONTARIO

December 27th, 1932.

GEORGE W. LEE, ESQ., Chairman,
Temiskaming and Northern Ontario
Railway Commission, North Bay, Ontario.

DEAR SIR:

On your instructions we have conducted an audit of the Treasurer's accounts of the Temiskaming and Northern Ontario Railway and the Nipissing Central Railway for the year ending October 31st, 1932, and have satisfied ourselves that all receipts have been properly accounted for, and that satisfactory vouchers are on hand to cover disbursements. We have checked the balances in the hands of the Treasurer and find them to be in agreement with the accounts as shown by the general ledgers.

The accounts of the Treasurer are in good order and well kept. All information asked for has been cheerfully given. We also wish to acknowledge the courtesies of the Commission and its employees at all times.

Yours very truly,

EDWARDS, MORGAN AND COMPANY.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION

Mileage operated at the close of the fiscal year 1932 was as follows:

	Miles	Total Miles
MAIN LINE:		
North Bay to Cochrane	252.29	
Cochrane to Moosonee	186.19	
		438.48
BRANCH LINES:		
Lorrain branch	17.00	
Elk Lake branch	28.50	
Charlton branch	7.60	
Iroquois Falls branch	7.00	
Porcupine branch	33.11	
		93.21
OTHER TRACKS:		
Yard tracks and sidings	120.12	
Mattagami River spur	2.96	
Kerr Lake spur	1.25	
Double track	1.70	
		126.03
PRIVATE SIDINGS OPERATED BY RAILWAY:		
Private siding agreement	19.06	
Owned by private companies	.59	
		19.65
Total Mileage		677.37
SIDINGS OPERATED BY PRIVATE COMPANIES:		
Private siding agreement		7.12
LEASED TO NIPISSING CENTRAL RAILWAY:		
Main track	5.85	
Sidings	1.04	
		6.89
Total Mileage		691.38

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

PURCHASING AND STORES DEPARTMENT

Statement of Purchases and Issues, Fiscal Year, 1931-1932

	1931		1932	
Stock	Purchases	Issues	Purchases	Issues
Shop	$546,722 68	$568,435 52	$449,102 39	$446,182 28
Soft coal	524,251 41	568,204 87	438,814 75	436,898 09
Hard coal	19,318 27	19,161 92	23,105 60	17,936 02
Oil and waste	23,062 30	22,918 10	19,480 40	19,783 88
Stationery	31,520 68	30,794 87	26,502 55	27,200 00
Rail	397,785 60	411,996 34	121,354 20	88,186 07
Tie	199,799 33	253,365 33	119,570 39	132,276 38
Ice	10,817 44	12,234 33	10,123 78	8,699 98
	$1,753,277 71	$1,887,111 28	$1,208,054 06	$1,177,162 70
Total purchases	$1,753,277 71	....	$1,208,054 06	....
Total issues	1,887,111 28	....	1,177,162 70	....
	$3,640,388 99	....	$2,385,216 76	....

GENERAL BALANCE SHEET, OCTOBER 31st, 1932

Assets

Property Owned		
Cost of road	$34,003,370 08	
Cost of equipment	5,415,056 48	
		$39,418,426 56
Nipissing Central Railway		4,764,795 62
Restaurants and news equipment		11,181 68
Current Assets:		
Cash	$100,107 70	
Accounts collectible	170,569 83	
Balance due on townsite sales	5,764 80	
Agents and conductors	60,099 04	
Traffic balance—freight	146,314 45	
Material and supplies	631,350 47	
Ballast pit operations	50,960 11	
Other assets	1,600 71	
		1,166,767 11
Deferred Assets:		
Pension department		183,153 41
Unadjusted debits:		
Surveys	$41,137 91	
Insurance premiums paid in advance	1,076 01	
Treasurer's advance	250 00	
Discount—funded debt	121,215 60	
Accounts in suspense	1,867 49	
		165,547 01
		$45,709,871 39

Liabilities

Provincial loan account		$30,207,934 92
Long Term Debt:		
Funded debt unmatured		6,000,000 00
Current Liabilities:		
Demand loans	$6,650,000 00	
Audited accounts and wages payable	698,713 15	
Traffic balance—car service	16,879 59	
Traffic balance—tickets	2,470 10	
Debenture interest	60,740 00	
Dominion government tax	974 01	
		7,429,776 85
Deferred Liabilities:		
Pension fund reserve		183,153 41
Unadjusted Credits:		
Accrued depreciation	1,417,433 02	
Restaurants and news equipment renewals reserve	4,286 38	
Fidelity Insurance reserve	2,250 00	
News agents' security deposit	25 00	
Accounts in suspense	31,602 32	
		1,455,596 72
Free Surplus:		
Profit and loss balance		433,409 49
		$45,709,871 39

Profit and Loss

Paid Treasurer of Ontario	$400,000 00
Profit and Loss on retired road and equipment	7,224 24
Doubtful accounts	226 37
Unclaimed wages	248 62
Balance carried forward	433,409 49
	$841,108 72

By balance, October 31, 1931	$367,568 15
Result operation for fiscal year ended October 31, 1932	473,085 27
Townsites	174 00
Unclaimed vouchers	183 83
Miscellaneous credits	97 47
	841,108 72

COMPARATIVE STATEMENT OF EARNINGS, EXPENDITURES AND RESULT OF OPERATION, NOVEMBER 1st, 1930 TO OCTOBER 31st, 1932

REVENUE	Nov. 1st, 1931 to Oct. 31st, 1932	Nov. 1st, 1930 to Oct. 31st, 1931
TRANSPORTATION	$ c.	$ c.
101. Freight	2,835,196 48	3,457,937 44
102. Passenger	578,126 20	838,019 24
103. Excess Baggage	6,218 81	8,593 46
105. Parlour and chair car	1,393 70	792 40
106. Mail	53,198 90	63,521 53
107. Express	130,503 97	159,778 54
109. Milk	4,611 45	2,654 65
110. Switching	12,574 61	16,475 38
111. Special Service Train	166 90	890 52
Total	3,621,991 02	4,548,663 16
INCIDENTAL		
131. Dining and Buffet	30,942 93	22,211 60
132. Hotel and Restaurant	46,544 52	65,094 58
133. Station, Train and Boat Privileges	546 17	674 16
135. Storage—Freight	1,430 86	1,793 24
136. Storage—Baggage	536 85	651 00
137. Demurrage	4,727 00	6,260 18
138. Telegraph and Telephone	182,678 31	204,424 40
142. Rents of Buildings and Other Property	21,347 20	23,056 01
143. Miscellaneous	6,034 16	63,357 08
Total	294,788 00	387,522 25
JOINT FACILITY		
152. Joint Facility—Dr	172 05	159 36
Total	172 05	159 36
Total Revenue	3,916,606 97	4,936,026 05
EXPENDITURES		
Maintenance of Way and Structures	748,031 05	838,699 44
Maintenance of Equipment	632,143 14	749,651 18
Traffic	20,505 46	27,546 52
Transportation	1,298,489 69	1,614,367 89
Miscellaneous Operations	171,723 70	173,432 35
General	205,444 97	212,735 97
Transportation for Investment—Cr	13,381 87	62,745 28
Total Operating Expenses	3,062,956 14	3,553,688 07
Balance	853,650 83	1,382,337 98
OTHER INCOME		
Ore royalties	Dr. 4,001 91	Dr. 5,257 35
Hire of freight cars	Dr. 127,516 22	Dr. 146,775 39
Rent—locomotives	7,190 55	5,225 97
Rent—passenger-train cars	Dr. 5,351 67	Dr. 3,273 74
Rent—work equipment	25,923 31	4,280 16
Joint facility rent income	27,276 08	27,251 08
Joint facility rents	Dr. 3,009 50	Dr. 4,165 00
Interest and exchange	Dr. 41,106 21	Dr. 47,077 10
Interest—funded debt	Dr. 240,000 00	Dr. 240,000 00
Amortization of discount—funded debt	Dr. 20,202 60	Dr. 60,607 80
Miscellaneous income	232 61	23,858 29
Total	Dr. 380,565 56	Dr. 446,540 88
Net Result	473,085 27	935,797 10

Maintenance of Way and Structures

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
201.	Superintendence	29,624	75	31,482	67
202.	Roadway maintenance	113,602	12	118,807	23
208.	Bridges, trestles and culverts	18,261	11	56,424	75
212.	Ties	117,555	12	116,415	51
214.	Rails	53,285	22	72,095	02
216.	Other track material	25,788	60	27,776	59
218.	Ballast	15,368	11	20,403	92
220.	Track-laying and surfacing	206,822	29	247,462	97
221.	Right-of-way fences	5,820	66	5,146	19
223.	Snow and sand fences and snow sheds	231	44	2	69
225.	Crossings and signs	3,660	63	2,581	03
227.	Station and office buildings	33,694	71	40,464	75
229.	Roadway buildings	7,067	49	7,246	87
231.	Water stations	6,027	40	8,874	37
233.	Fuel stations	2,435	04	1,992	93
235.	Shops and engine houses	10,925	64	12,059	97
247.	Telegraph and telephone lines	16,915	31	11,485	21
253.	Power plant buildings	287	78	612	38
257.	Power transmission systems	132	07	203	11
259.	Power distribution systems	553	77	327	17
265.	Miscellaneous structures		68	......	
269.	Roadway machines	5,856	30	7,011	12
271.	Small tools and supplies	10,710	91	11,600	54
272.	Removing snow, ice and sand	40,791	70	47,427	00
273.	Assessments for public improvements	3,266	02	186	14
274.	Injuries to persons	6,223	65	6,933	50
275.	Insurance	4,556	04	4,480	57
276.	Stationery and printing	1,351	35	1,795	23
277.	Other expenses	429	92	Cr. 247	55
278.	Maintaining joint tracks, yards and other facilities —Dr.	962	00	1,618	00
279.	Maintaining joint tracks, yards and other facilities —Cr.	19,176	78	23,970	44
280.	Equalization—way and structures—Dr.	290,127	82	332,193	27
280.	Equalization—way and structures—Cr.	265,127	82	332,193	27
	Total	748,031	05	838,699	44

Maintenance of Equipment

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c	$	c.
301.	Superintendence	26,222	01	28,390	84
302.	Shop machinery	8,219	41	7,845	18
304.	Power plant machinery	3,100	41	2,670	26
308.	Steam locomotives—repairs	258,384	43	304,652	69
309.	Steam locomotives—depreciation	52,021	34	45,941	16
314.	Freight-train cars—repairs	113,303	58	148,404	86
315.	Freight-train cars—depreciation	20,819	02	20,819	19
316.	Freight-train cars—retirements	....		653	29
317.	Passenger-train cars—repairs	88,450	93	116,152	29
318.	Passenger-train cars—depreciation	25,585	43	25,704	24
320.	Motor equipment of cars—repairs	48	22	2,194	06
326.	Work equipment—repairs	26,667	31	37,641	02
327.	Work equipment—depreciation	9,894	50	9,570	36
328.	Work equipment—retirements	288	88	....	
332.	Injuries to persons	1,353	91	841	06
333.	Insurance	5,844	61	6,034	80
334.	Stationery and printing	1,141	39	1,413	99
335.	Other expenses	....		Cr. 656	88
337.	Maintaining joint equipment at terminals—Cr.	9,202	24	8,621	23
	Total	632,143	14	749,651	18

Traffic

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
351.	Superintendence	13,971	07	14,603	11
352.	Outside agencies	420	93	1,364	36
353.	Advertising	1,864	11	6,127	26
354.	Traffic associations	1,082	60	1,257	77
356.	Industrial and immigration bureaus	25	00	25	00
358.	Stationery and printing	3,141	75	4,169	02
	Total	20,505	46	27,546	52

Transportation

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
371.	Superintendence	28,413	64	29,112	71
372.	Dispatching trains	23,796	72	25,960	35
373.	Station employees	259,123	58	302,490	57
374.	Weighing, inspection and demurrage bureaus	990	53	1,163	15
376.	Station supplies and expenses	29,382	46	31,421	82
377.	Yard masters and yard clerks	46,456	34	53,149	45
378.	Yard conductors and brakemen	55,194	63	61,821	54
379.	Yard switch and signal tenders	2,023	26	3,113	52
380.	Yard enginemen	36,537	10	39,989	62
382.	Fuel for yard locomotives	48,683	48	47,158	45
385.	Water for yard locomotives	2,568	62	2,254	15
386.	Lubricants for yard locomotives	506	72	379	02
387.	Other supplies for yard locomotives	332	02	357	55
388.	Engine house expenses—yard	32,621	10	28,401	07
389.	Yard supplies and expenses	1,466	98	1,424	54
390.	Operating joint yards and terminals—Dr	2,025	50	2,547	00
391.	Operating joint yards and terminals—Cr	105,681	74	117,887	81
392.	Train enginemen	162,869	93	232,097	43
394.	Fuel for train locomotives	298,893	69	384,344	44
397.	Water for train locomotives	24,273	12	26,885	29
398.	Lubricants for train locomotives	5,207	79	6,424	32
399.	Other supplies for train locomotives	2,362	60	3,631	27
400.	Enginehouse expenses—train	64,952	78	78,800	26
401.	Trainmen	180,498	80	256,717	07
402.	Train supplies and expenses	58,854	79	75,712	78
405.	Crossing protection	791	06	813	01
410.	Stationery and printing	15,817	43	16,646	51
411.	Other expenses	100	00	Cr. 80	11
413.	Operating joint tracks and facilities—Cr	300	00	300	00
414.	Insurance	1,993	35	1,957	65
415.	Clearing wrecks	2,507	90	1,353	15
416.	Damage to property	32	95	418	34
417.	Damage to live stock on right-of-way	82	47	48	44
418.	Loss and damage—freight	3,449	31	4,799	75
419.	Loss and damage—baggage	....		16	57
420.	Injuries to persons	11,660	78	11,225	02
	Total	1,298,489	69	1,614,367	89

Miscellaneous Operations

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
441.	Dining and buffet service	26,884	96	23,713	53
442.	Hotels and Restaurants	44,823	04	54,698	69
447.	Commercial telegraph—maintenance	14,127	44	9,418	50
448.	Commercial telegraph—operation	27,371	87	28,678	12
449.	Commercial telephone—maintenance	19,963	83	14,635	16
450.	Commercial telephone—operation	38,552	56	42,288	35
	Total	171,723	70	173,432	35

General

		Nov. 1st, 1931 to Oct. 31st, 1932	Nov. 1st, 1930 to Oct. 31st, 1931
		$ c.	$ c.
451.	Salaries and expenses of general officers	58,522 94	61,897 17
452.	Salaries and expenses of clerks and attendants	104,887 34	111,068 85
453.	General office supplies and expenses	4,412 33	4,626 77
454.	Law expenses	4,992 22	4,814 50
455.	Insurance	218 50	112 25
457.	Pensions	12,000 00	12,000 00
458.	Stationery and printing	4,836 59	5,689 42
460.	Other expenses	16,181 66	13,158 34
462.	General joint facilities—Cr.	606 61	631 33
	Total	205,444 97	212,735 97

TRAFFIC AND MILEAGE STATISTICS

Passenger Traffic

Total passengers carried earning revenue	295,347
Number of passengers carried one mile	20,674,449
Number of passengers carried one mile per mile of road	46,743
Average distance carried—miles	70.00
Total passenger revenue	578,126.20
Average amount received from each passenger	1.96
Average receipts per passenger per mile (cents)	.02.80
Total passenger train service revenue	774,053.03
Passenger service train revenue per mile of road	1,750.06
Passenger service train revenue per train mile	1 51

Freight Traffic

Number of tons carried earning revenue	946,692
Number of tons carried earning revenue one mile	202,927,804
Number of tons carried earning revenue one mile per mile of road	458,801
Average distance haul of one ton—miles	214.4
Total freight revenue	2,835,196 48
Average amount received for each ton	2.99
Average amount received per ton per mile (cents)	.01.40
Freight revenue per mile, of road	6,410 12
Freight revenue per train mile	4 87

Total Traffic

Operating revenue	3,916,606 97
Operating revenue per mile of road	8,855 09
Operating revenue per train mile	4 06
Operating expenses	3,062,956 14
Operating expenses per mile of road	6,925 06
Operating expenses per train mile	3 17
Net operating revenue	853,650 83
Net operating revenue per mile of road	1,930 03

Car Mileage

Average number of passengers carried one mile per car mile	7.7
Average number of passengers carried one mile per train mile	40.4
Average number of passenger cars per train mile	5.3
Mileage of passenger cars	2,696,997
Mileage of loaded freight cars	8,303,643
Mileage of empty freight cars	4,819,880
Average number of freight cars per train mile	23.6
Average number of loaded freight cars per train mile	14.3
Average number of empty freight cars per train mile	8.3
Average number of tons of freight per train mile	348.9
Average number of tons of freight per loaded car mile	24.4
Average miles operated during the year	442.3

Train Mileage

Mileage of revenue passenger trains	384,099
Mileage of revenue mixed trains	127,364
Mileage of revenue freight trains	454,242
Mileage of revenue special trains	114
Total revenue train mileage	965 819

FREIGHT TRAFFIC

Company's Material Excluded—November 1st, 1931 to October 31st, 1932

Commodity	Whole Tons
Products of Agriculture:	
Wheat	31
Oats	1,029
Flour	3,270
Other mill products	14,506
Hay and straw	10,387
Apples (fresh)	2,276
Other fruits (fresh)	3,935
Potatoes	3,494
Other fresh vegetables	3,130
Other agricultural products	542
Products of Animals:	
Horses	593
Cattle and calves	1,257
Sheep	28
Hogs	57
Dressed meats (fresh)	5,249
Other packing house products (edible)	1,210
Eggs	272
Butter	120
Hides and leather	6
Products of Mines:	
Anthracite coal	16,472
Bituminous coal	84,483
Lignite coal	122
Coke	2,813
Copper ore and concentrates	30
Other ores and concentrates	4,801
Base bullion, matte, pig and ingot (non-ferrous metals)	2,193
Sand and gravel	6,176
Stone (crushed, ground, broken)	5,835
Slate—dimension or block stone	15
Asphalt (natural—by-product petroleum)	153
Salt	1,125
Other mine products	1,456
Products of Forests:	
Logs, posts, poles, piling	17,456
Cordwood and other firewood	20,730
Ties	991
Pulpwood	122,194
Lumber, timber, box, crate and cooperage material	78,037
Other forest products	316
Manufactures and Miscellaneous:	
Gasoline	14,580
Petroleum oils and other petroleum products (except asphalt and gasoline)	5,593
Sugar	3,816
Iron, Pig and Bloom	70
Rails and fastenings	4,617
Iron and steel (bar, sheet, structural, pipe)	19,741
Castings, machinery and boilers	15,130
Cement	77,295
Brick	5,587
Lime and plaster	9,312
Sewer pipe and drain tile	1,190
Agricultural implements and vehicles other than autos	1,221
Automobiles, auto trucks and auto parts	1,051
Household goods and settlers' effects	845
Furniture	81
Liquor beverages	6,164
Newsprint paper	204,831
Other paper	162
Paper board, pulpboard and wallboard (paper)	1,436
Wood pulp	56,378
Fish (fresh, frozen, cured, etc.)	223
Canned goods (all canned food products except meats)	4,416
Other manufactures and miscellaneous	43,898
Merchandise	52,265
	946,692

STATISTICS

Comparative Passenger and Freight Traffic Statement

		Passengers	Revenue $	c.
Number of passengers carried during year	1905	86,648	108,681	76
" " " "	1906	359,861	254,759	33
" " " "	1907	518,678	388,343	03
" " " "	1908	479,005	366,504	53
" " " "	1909	580,748	483,110	89
" " " "	1910	670,913	606,967	91
" " " "	1911	479,102	653,063	01
" " " "	1912	497,452	599,681	73
" " " "	1913	508,055	576,049	37
" " " "	1914	535,869	544,820	08
" " " "	1915	480,995	482,349	80
" " " "	1916	485,759	624,808	12
" " " "	1917	499,759	655,127	58
" " " "	1918	436,984	647,162	91
" " " "	1919	525,714	853,363	52
" " " "	1920	609,879	1,021,079	95
" " " "	1921	685,928	1,223,387	14
" " " "	1922	633,491	1,097,394	03
" " " "	1923	708,144	1,273,807	69
" " " "	1924	725,922	1,369,045	61
" " " "	1925	664,242	1,150,278	18
" " " "	1926	634,320	1,180,543	65
" " " "	1927	647,740	1,248,100	25
" " " "	1928	637,145	1,277,950	61
" " " "	1929	549,973	1,063,426	10
" " " "	1930	516,816	997,649	44
" " " "	1931	422,552	838,019	24
" " " "	1932	295,347	578,126	20
		14,877,041	22,163,601	66

		Tons	Revenue	
Number of tons of freight carried during year	1905	99,192	121,530	46
" " " " "	1906	273,749	230,552	63
" " " " "	1907	393,589	390,894	29
" " " " "	1908	484,444	471,203	41
" " " " "	1909	498,645	756,141	66
" " " " "	1910	624,820	852,886	46
" " " " "	1911	564,120	974,678	33
" " " " "	1912	562,734	929,464	66
" " " " "	1913	674,942	906,476	16
" " " " "	1914	742,366	952,090	35
" " " " "	1915	676,938	925,735	37
" " " " "	1916	922,618	1,320,569	33
" " " " "	1917	960,714	1,459,459	93
" " " " "	1918	1,233,510	1,937,054	80
" " " " "	1919	1,068,775	2,036,274	38
" " " " "	1920	1,361,185	2,728,092	92
" " " " "	1921	1,298,400	3,047,925	57
" " " " "	1922	1,185,453	2,779,673	11
" " " " "	1923	1,550,651	3,431,621	04
" " " " "	1924	1,410,725	3,296,211	95
" " " " "	1925	1,350,795	3,181,378	01
" " " " "	1926	1,355,298	3,146,070	59
" " " " "	1927	1,321,110	3,336,174	25
" " " " "	1928	1,371,021	3,437,452	26
" " " " "	1929	1,376,581	3,308,624	11
" " " " "	1930	1,391,655	3,336,628	11
" " " " "	1931	1,253,323	3,457,937	44
" " " " "	1932	946,692	2,835,196	48
		26,954,045	55,587,998	06

NIPISSING CENTRAL RAILWAY COMPANY

Mileage Operated at the Close of the Fiscal Year 1932

Electric Lines

	Miles	Total Miles
Owned by Company:		
Main track	4.67	
Sidings	1.78	
		6.45
Leased from T. & N. O. Railway:		
Main track	5.85	
Sidings	1.04	
		6.89
		13.34

Steam Lines

Main track, Swastika to Noranda, Que	59.74	
Sidings and yard tracks	9.27	
		69.01
Private sidings under siding agreement	1.83	
Private sidings privately owned	1.07	
		2.90
Total all tracks operated		71.91
Sidings operated by private companies		0.64
Total all tracks		72.55

Electric lines	13.34
Steam lines	72.55
Total	85.89

PURCHASING AND STORES DEPARTMENT

Statement of Purchases and Issues, Fiscal Year 1931-1932

	1931		1932	
Stocks	Purchases	Issues	Purchases	Issues
Various stocks	$5,551 62	$5,654 66	$3,755 07	$3,615 84
Total purchases	5,551 62	....	3,755 07	....
Total issues	5,654 66	....	3,615 84	....
	$11,206 28	....	$ 7,370 91	....

NIPISSING CENTRAL RAILWAY

General Balance Sheet, October 31st, 1932

Assets

Property Owned:		
Cost of road	$4,354,106 53	
Cost of equipment	83,002 63	
		$4,437,109 16
Current Assets:		
Cash	$45,010 54	
Accounts collectible	3,447 68	
Balance due on townsite sales	3,859 28	
Agents and conductors	12,414 00	
Material and supplies	15,521 85	
		80,253 35
Unadjusted Debits:		
Insurance premiums paid in advance		26 60
Other Assets:		
Franchise	$1 00	
Profit and loss—balance	350,280 38	
		350,281 38
		$4,867,670 49

Liabilities

Capital stock		$159,000 00
T. & N.O. Railway advance		4,529,311 81
Current Liabilities		
Audited accounts	$127,273 73	
Traffic balances	52,071 85	
Dominion Government tax	13 10	
		179,358 68
		$4,867,670 49

Profit and Loss

To balance, October 31st, 1931	$404,915 29
Profit and loss on retired road and equipment	1,021 01
	$405,936 30

Result Operation for Fiscal Year Ended October 31st, 1932		
Steam lines	$68,331 95	
Electric lines—deficit	12,696 44	
		$55,635 51
Townsites		7 36
Unclaimed vouchers		13 05
By balance, October 31st, 1932		350,280 38
		$405,936 30

COMPARATIVE STATEMENT OF EARNINGS AND EXPENDITURES AND RESULT OF OPERATION, NOVEMBER 1st, 1930 TO OCTOBER 31st, 1932

STEAM LINES

	REVENUE	Nov. 1st, 1931 to Oct. 31st, 1932 $	c.	Nov. 1st, 1930 to Oct. 31st, 1931 $	c.
	TRANSPORTATION				
101.	Freight	210,974	41	164,958	32
102.	Passenger	56,127	57	50,079	05
103.	Excess baggage	545	70	526	87
106.	Mail	1,525	32	1,503	68
109.	Milk	22	20	60	00
110.	Switching	592	39	570	08
111.	Special service train	252	10	150	00
	Total	270,039	69	217,848	00
	INCIDENTAL				
133.	Station, train and boat privileges	12	20	7	73
135.	Storage—freight	749	01	690	01
136.	Storage—baggage	154	05	193	70
142.	Rents of buildings and other property	4,204	07	5,516	89
143.	Miscellaneous	615	03	410	69
	Total	5,734	36	6,819	02
	Total Revenue	275,774	05	224,667	02

EXPENDITURES	Nov. 1st, 1931 to Oct. 31st, 1932 $	c.	Nov. 1st, 1930 to Oct. 31st, 1931 $	c.
Maintenance of way and structures	69,100	87	68,051	64
Maintenance of equipment	2,745	61	2,607	56
Traffic	256	44	96	19
Transportation	132,506	43	127,286	73
General	78	90	219	28
Transportation for investment—Cr.		27	69	55
Total Operating Expenses	204,687	98	198,191	85
BALANCE	71,086	07	26,475	17
OTHER INCOME				
Miscellaneous rents	Dr. 120	00	Dr. 120	00
Taxes	Dr. 4,974	72	Dr. 3,225	05
Miscellaneous income	36	00	106	00
Interest and exchange	2,304	60	177	27
Total	Dr. 2,754	12	Dr. 3,061	78
NET RESULT	68,331	95	23,413	39

COMPARATIVE STATEMENT OF EARNINGS AND EXPENDITURES AND RESULT OF OPERATION, NOVEMBER 1st, 1930 TO OCTOBER 31st, 1932

ELECTRIC LINES

	RECEIPTS	Nov. 1st, 1931 to Oct. 31st, 1932	Nov. 1st, 1930 to Oct. 31st, 1931
I.	Revenue from Transportation—	$ c.	$ c.
101.	Passenger revenue	32,624 18	41,774 93
102.	Baggage revenue	751 00	679 52
103.	Parlour, sleeping, dining and special car revenue	....	30 00
108	Switching revenue	838 66	3,828 87
	Total	34,213 84	46,313 32
II.	Revenue from Other Railway Operations—		
110.	Station and car privileges	500 00	500 00
113.	Demurrage	50 00	60 00
117.	Rent of buildings and other property	569 00	568 00
	Total	1,119 00	1,128 00
	Total Revenue	35,332 84	47,441 32
	EXPENDITURES		
I.	Way and structures	8,195 90	10,680 25
II.	Equipment	4,741 57	5,533 61
III.	Power	13,523 35	14,608 12
IV.	Conducting transportation	19,479 89	24,546 06
VI.	General and miscellaneous	2,150 68	2,104 18
	Total Operating Expenses	48,091 39	57,472 22
	Balance	Dr. 12,758 55	Dr. 10,030 90
	Other Income		
	Interest	62 11	72 15
	Total	62 11	72 15
	Net Result	Dr. 12,696 44	Dr. 9,958 75

Way and Structures

		Nov. 1st, 1931 to Oct. 31st, 1932	Nov. 1st, 1930 to Oct. 31st, 1931
		$ c.	$ c.
1.	Superintendence of way and structures	183 50	183 00
2.	Ballast	143 40	143 40
3.	Ties	513 55	1,125 54
4.	Rails	529 84	542 22
5.	Rail fastenings and joints	81 62	105 17
6.	Special work	47 88	47 88
8.	Track and roadway labour	4,277 90	4,537 49
9.	Miscellaneous track and roadway expenses	57 89	51 54
10.	Paving	500 00	500 00
11.	Cleaning and sanding track		2 50
12.	Removal of snow and ice	570 45	1,197 90
15.	Bridges, trestles and culverts	144 04	52 23
16.	Crossings, fences and signs	497 28	701 94
17.	Signal and interlocking apparatus	———	3 43
18.	Telegraph and telephone lines	93 33	53 65
20.	Poles and fixtures	26 80	65 65
22.	Distribution system	331 11	1,086 95
24.	Buildings, fixtures and grounds	197 31	279 76
	Total	8,195 90	10,680 25

Equipment

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
29.	Superintendence of equipment	480	00	540	85
30.	Passenger and combination cars	2,810	61	3,381	06
32.	Service equipment	53	15	118	58
33.	Electric equipment of cars	1,368	50	1,395	58
34.	Locomotives	25	54	64	58
37.	Shop expenses	3	77	32	96
	Total	4,741	57	5,533	61

Power

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
45.	Superintendence of power	240	00	240	00
48.	Substation equipment	45	05	144	73
57.	Substation employees	3,286	37	2,938	89
59.	Power purchased	9,951	93	11,284	50
	Total	13,523	35	14,608	12

Conducting Transportation

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
63.	Superintendence of transportation	1,020	00	1,020	00
64.	Passenger conductors, motormen and trainmen	12,568	83	15,335	65
65.	Freight and express conductors, motormen and trainmen	2,807	42	4,434	93
66.	Miscellaneous car-service employees	2	42	4	52
67.	Miscellaneous car-service expenses	537	64	1,072	13
69.	Station expenses	399	82	391	02
70.	Carhouse employees	1,622	91	1,790	68
71.	Carhouse expenses	377	66	341	47
72.	Operation of signal and interlocking apparatus	143	19	155	66
	Total	19,479	89	24,546	06

General and Miscellaneous

		Nov. 1st, 1931 to Oct. 31st, 1932		Nov. 1st, 1930 to Oct. 31st, 1931	
		$	c.	$	c.
83.	Salaries and expenses of General Officers	5	25	....	
84.	Salaries and expenses of general office clerks	840	00	874	10
85.	General office supplies and expenses	175	34	144	07
92.	Injuries and damages	91	88	91	81
93.	Insurance	320	95	326	63
94.	Stationery and printing	117	26	67	57
97.	Rent of tracks and facilities	600	00	600	00
	Total	2,150	68	2,104	18

Twenty-Seventh Annual Report

OF THE

ONTARIO MUNICIPAL BOARD

To December 31st, 1932

PRESENTED TO THE LEGISLATIVE ASSEMBLY
BY COMMAND

SESSIONAL PAPER No. 24, 1933

ONTARIO

TORONTO
Printed and Published by the Printer to the King's Most Excellent Majesty
1933

TO COLONEL, THE HONOURABLE HERBERT A. BRUCE,
Lieutenant-Governor of the Province of Ontario, in Council.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit herewith the Twenty-seventh Report of The Ontario Municipal Board for the year ending December 31st, 1932.

Respectfully submitted,

WILLIAM H. PRICE,
Attorney-General.

Parliament Buildings,
Toronto.

Parliament Buildings,
Toronto, March 20th, 1933.

DEAR SIR:

RE TWENTY-SEVENTH ANNUAL REPORT

I have the honour to send you herewith the Twenty-seventh Annual Report of The Ontario Municipal Board to December 31st, 1932.

I have the honour to be,

Your obedient servant,
H. C. SMALL,
Secretary.

The Honourable the Attorney-General,
Parliament Buildings,
Toronto.

ORGANIZATION

The Organization of The Ontario Municipal Board of the Province of Ontario is as follows:

C. R. McKeown, K.C.	*Chairman*
J. A. Ellis	*Vice-Chairman*
H. L. Cummings	*Commissioner*
H. C. Small	*Secretary*
F. Dagger	*Supervisor of Telephone Systems*
J. A. McDonald	*Inspector of Telephone Service*
E. A. Crosland	*Inspector of Street and Radial Railways*

TWENTY-SEVENTH ANNUAL REPORT

OF THE

Ontario Municipal Board

To December 31st, 1932

In pursuance of Section 162 of "The Ontario Municipal Board Act," The Ontario Municipal Board beg leave respectfully to submit their Twenty-seventh Annual Report.

SITTINGS OF THE BOARD

The Board held meetings for the transaction of routine business every juridical day throughout the year. The record of the sessions of the Board and an abstract of the proceedings, together with the Judgments or Opinions of the Board, appear in the Appendix.

In this connection it should be stated that about 80 per cent. of the Board's work is not conducted at the formal sessions of the Board shown in the abstract of proceedings above mentioned. This office work of the Board is transacted usually upon written applications and not in the way of formal hearing of parties interested. A classified abstract of the office work of the Board disposed of in the way of formal applications without formally hearing the parties, will be found in the Appendix. In addition to this there is the usual office work of considering and replying to enquiries and other routine correspondence. A short reference is hereafter made, under different sub-headings, of the applications dealt with by the Board *ex parte* or without a formal hearing of the parties interested.

APPLICATIONS TO THE BOARD

There were 793 formal applications made to the Board in 1932. Of the formal applications all those in which the parties were ready to go to trial have been heard and disposed of, except in a few cases where adjournments were granted to the parties at the request of Counsel or in order to procure further evidence or to obtain reports from experts in connection with technical matters in question.

Some of the formal applications are still standing for trial, as in the more important matters the parties interested are showing an increasing disposition to take advantage of the opportunities afforded them by the Board's rules for obtaining discovery and production, thus, to some extent, delaying the final dates of the hearing of the applications, but in reality facilitating the final disposition at the hearings of all the matters in question between the parties.

LAW STAMPS

The amount of revenue collected by the Board in Law Stamps, in the year 1932 was $9,033.00. In 1925 the amount collected was $7,262.00; in 1926,

$5,542.50; in 1927, $6,688.60; in 1928, $6,167.60; in 1929, $6,935.50; in 1930, $10,859.50; and in 1931, $8,739.50.

Provincial Railways

An alphabetical list (under the names of the railway systems affected) of applications to the Board during 1932 affecting Provincial Railways, is contained in the Appendix to this Report.

Extensions of and improvements to Provincial Railways during 1932, as reported to the Board, will be found in the Appendix (arranged alphabetically) under the names of the several Systems reporting.

A tabulation (arranged alphabetically) of railways under the Board's jurisdiction will be found in the Appendix. This tabulation shows, for each railway, the lengths of first and second main track, total main track, sidings and turnouts, the total computed as single track, the length under construction, the number of power houses and whether steam or water and whence power obtained.

Reports to the House

In pursuance of Rule 72 of the House the Board made enquiry into and reported upon seven Financial Bills which were introduced last Session into the Legislature; also two Bills referred to the Board under Section 55, Chapter 225, R.S.O., 1927 (now Section 51, Chapter 27, Ontario Statutes, 1932).

Annexations of Territory

There were four applications made in 1932 by urban Municipalities for annexation of additional territory thereto. An alphabetical list of these annexation applications is contained in the Appendix.

Validation of Municipal Debentures

(Section 304 of "The Municipal Act," now Part V. of
Chapter 27, O.S., 1932.)

There were 123 applications to the Board under the above legislation, involving debentures of a total value of $6,568,779.63. Acting under the powers conferred by such legislation the Board was able to grant relief in nearly all of these cases, included in which were eighty-three by-laws affected by irregularities which would otherwise have probably required special Acts of the Legislature to make the debentures thereunder valid and saleable.

Municipalities are showing an increasing disposition to have their by-laws and debentures validated under said Part V, even in cases where no irregularities occur requiring the curative powers of the Board thereunder, as they have found that such validation facilitates the marketing of their debentures.

The amount of debentures validated by the Board during 1925 was $4,544,784.49; in 1926, $2,689,309.24; in 1927, $4,770,868.50; in 1928, $4,726,726.17; in 1929, $5,762,022.06; in 1930, $11,339,944.85, and in 1931, $4,801,774.42.

An alphabetical list of these applications filed in 1932 is given in the Appendix, and will be found indexed under the word "Validation."

Floating Indebtedness

(Section 78 (d) of Part V, Chapter 27, Ontario Statutes, 1932.)

Since the coming into effect of this legislation on the 29th March, 1932, seven Municipalities have taken advantage of same and obtained Orders of the Board authorizing the issue of debentures to take care of their floating indebtedness, thereby saving considerable expense in the obtaining of special Acts of the Legislature, which would otherwise have been necessary.

The total amount of such debentures authorized by the Board in 1932 was $392,927.05. An alphabetical list of these applications will be found in the Appendix, indexed under "Floating Indebtedness."

Unemployment Relief Works

(Section 4, subsection 2, of the Unemployment Relief Acts (Ontario), 1931 and 1932.)

Since the Unemployment Relief Acts (Ontario) came into force on the 2nd day of April, 1931, and the 29th March, 1932, respectively, the Board, in 1932, considered 122 applications, involving debenture issues amounting to $3,085,644.84.

Arbitrations

In 1932 the Board officiated as Arbitrators in respect of 13 applications which were made to it under "The Highway Improvement Act" and amendments, and 2 references under "The Hydro-Electric Power Commission Act" and amendments.

Assessment Appeals

There were 19 assessment appeals to the Board during the year 1932. The assessed value of the property affected by these appeals was $2,783,084.00.

Railway Returns

Annual reports to December 31st, 1932, by railway companies under the Board's jurisdiction were received, of which a summarized tabulation has been prepared for publication herein, and will be found in the Appendix. The Board has no means of auditing the reports as received, and does not therefore represent or guarantee that the figures taken therefrom are correct or accurate Heretofore these reports were copied and tabulated as received and published in the Board's Annual Report; this practice was discontinued for the first time in 1924.

Accidents

A tabulated summary of Accident Reports received by the Board from Provincial Railways during the year 1932 appears in the Appendix, and shows that 15 persons were killed and 891 injured during the year.

In 1925, 17 persons were killed and 666 injured; in 1926, 30 persons were killed and 710 injured; in 1927, 20 persons were killed and 761 injured; in 1928, 31 persons were killed and 848 injured: in 1929, 30 persons were killed and 1,017 injured; in 1930, 22 persons were killed and 899 injured, and in 1931, 20 persons were killed and 912 injured.

Ontario Safety League

Early in 1913 the members of the Board called together representatives of various organizations which were specially interested in the question of street traffic. Representatives were sent from the Board of Trade, Canadian Manufacturers' Association, City Council, Ontario Motor League, Board of Education, Separate School Board, Toronto Railway Company, Toronto District Labour Council, Boy Scouts, Team Owners' Association, and many others. Every delegate realized that the question was one that dealt with actual dangers and concerted action must be taken. After numerous conferences the Ontario Safety League was organized on the 17th September, 1913. The League has since done much good and vitally useful work towards lessening the dangers of travel, especially on congested highways.

In addition to its Provincial organization the League has become National in its organizations and operations.

Plans

(Land Subdivisions)

Under "The Planning and Development Act" (Chapter 236, R.S.O. 1927), "The Land Titles Act" (Chapter 158, R.S.O. 1927), Section 110, and "The Registry Act" (Chapter 155, R.S.O. 1927), Section 80, subsections 14 and 18, the Board considered during the year thirty-three applications for approval of plans, deeds of conveyance, etc. An alphabetical list of the owners of property in question in these applications will be found in the Appendix.

In 1925 fifty-nine such applications were considered, forty-four in 1926, thirty-five in 1927, thirty-eight in 1928, fifty-three in 1929 forty-seven in 1930 and thirty-three in 1931.

Forms

The Board has (for distribution to parties interested) the following forms and specifications, namely:

(1) The Board's Rules of Practice and Procedure and Practice Forms.

(2) Regulations, Specifications and Forms respecting Railways.

(3) Standard Specifications for Bridges, Viaducts, Trestles or other structures.

(4) Pamphlet containing copy of "The Telephone Act," and with information regarding Provincial Telephone Systems, and including

(*a*) Specifications for construction and equipment of telephone systems;

(*b*) Form of By-law providing for the establishment of a telephone system under Part II of "The Telephone Act";

(*c*) Form of By-law providing for the issue of debentures to pay for the cost of establishing a telephone system under Part II of "The Telephone Act";

(*d*) Form of By-law to regulate the management and operation of a telephone system established under Part II of "The Telephone Act";

(*e*) Form of Annual Report to be furnished to the subscribers to a telephone system established under Part II of "The Telephone Act";

(*f*) Sample form of Annual Report and Balance Sheet for telephone companies;

(*g*) Form of Account for use by telephone companies using the "Discount System of Collections";

(*h*) Form of Municipal Debentures—Instalment Plan;

(*i*) Form of Constitution and By-laws for a Telephone Company.

(5) Forms of Petition praying for the establishment or extension of a telephone system under Part II of "The Telephone Act."

(6) Forms of By-laws granting to a telephone company the right to use the highways of a township.

(7) Regulations and specifications for telephone or telegraph wires crossing railways.

(8) Form for Return by Municipality operating a Telephone System.

(9) Form for Return by Company, etc., operating a Telephone System.

(10) Form for Tariff of Tolls for Telephone System.

(11) Forms under "The Planning and Development Act," with directions for guidance of Applicants thereunder.

(12) Forms for submission of a By-law or question to a poll, under "The Municipal Act."

(13) Form for Money By-law.

(14) Forms of affidavits in support of applications under Part V of "The Ontario Municipal Board Act, 1932."

(15) Preliminary Resolution under Section 8 of "The Local Improvement Act."

(16) Forms for Annual Reports by Railway Systems.

(17) Forms for Reports as to Examination of Motormen.

(18) Forms for Reports of Accidents, by Railway Systems.

(19) Regulation as to height of car steps.

(20) Directions for guidance of applicants under subsection (2) of Section 399 of "The Municipal Act."

(21) Tariff of the Board's Fees.

(22) Memorandum respecting approval of By-laws under "The Unemployment Relief Acts (Ontario), 1931 and 1932."

Extension of Municipal Utilities, &c., Approved under Subsection (2) of Section 399 of "The Municipal Act"

An alphabetical tabulation (under the names of the municipalities) of extensions to public utilities made by municipalities and approved by the Board under the above subsection (2) will be found in the Appendix, and is indexed under the word "Approval."

The total of the debenture issue under these By-laws approved in 1932 amounts to $3,222,721.38. In 1925 the total debenture issue approved amounted to $1,347,941.30; in 1926, $2,378,030.70; in 1927, $3,588,709.73; in 1928, $1,820,244.87; in 1929, $2,425,528.34; in 1930, $3,884,176.37 and $3,264,899.06 in 1931.

MISCELLANEOUS MATTERS UNDER THE BOARD'S JURISDICTION

A classified analysis of miscellaneous matters dealt with in 1932, under the jurisdiction of the Board, will be found in the Appendix. These include Annexations under "The Municipal Act"; Arbitrations; Assessment Appeals under section 83 of "The Assessment Act"; Financial and other Bills reported to the House under Rule 72; Bills referred to the Board under section 55, Chapter 225, R.S.O., 1927; Bridges, approval of By-laws respecting, under section 297 (2) (e) of "The Municipal Act;" Boundaries, Bridges and Highways, Section 29 of "The Highway Improvement Act"; Defaulting Municipalities, Orders respecting, under Part VI of the Board's Act; Extension of Debenture Issue Period, under Section 296 (11) and (12) of "The Municipal Act"; Extension of time to pass By-laws under Section 288 (5) of "The Municipal Act"; Fire Halls, Fire Engines, etc., approval of expenditure for, under Section 27 of "The Municipal Amendment Act, 1931 (Chapter 50); Floating Indebtedness, authority to Municipalities to issue debentures to pay, Section 78 (d) of Part V of "The Ontario Municipal Board Act, 1932" (Chapter 27); Franchises, approval of, under Section 4 of "The (Municipal) Franchises Act" (Chapter 240, R.S.O., 1927); Highways (Narrow) approved under Section 490 (2) of "The Municipal Act"; Highways, deferred widening of, Section 343 of "The Municipal Act"; "The Housing Adjustment Act, 1927," Section 5 (Chapter 74); Increased Borrowings by Municipal Councils, Section 334 (7) of "The Municipal Act" as re-enacted by Section 12, Chapter 29, Ontario Statutes, 1932; Interest Increase and Interest Decrease By-laws, approved under Section 300 of "The Municipal Act"; Legislation (Special), approval of By-laws under; Local Improvements, petitions against, under Section 8 of "The Local Improvement Act"; Local Improvements, approval of passing of Construction By-laws therefor, under Section 8 of "The Local Improvement Act" as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932" (Chapter 30); Local Improvements, abandonment of part of work, under Section 18 of "The Local Improvement Act"; Apportionment of Cost of Local Improvement Work, approval of By-laws under Section 26 (3) of "The Local Improvement Act"; "The Power Commission Act," Section 24 (Chapter 57, R.S.O., 1927, as enacted by Chapter 13, Section 3, Ontario Statutes, 1931); Repeal of Money By-laws as to residue not raised, Section 301 (2) of "The Municipal Act"; Restrictions as to use of land or buildings, etc., approval of, under Section 398 of "The Municipal Act"; Sinking Funds, approval of By-laws for investment of, under Section 317 of "The Municipal Act"; Tax Rate, approval of further debt, etc., under Section 306 (2) of "The Municipal Act"; Townships, Separation of Junior from union of, Section 30 (2) of "The Municipal Act"; The Unemployment Relief Acts (Ontario), 1931 and 1932; Police Villages, extension of boundaries of, Section 515 of "The Municipal Act" as enacted by Section 21, Ontario Statutes, 1932 (Chapter 29); Waterworks Area and Construction (Special legislation); Weigh Scales and Weighing of Coal, etc., Section 400 of "The Municipal Act"; and Works ordered by Dominion and Ontario Railway Boards, approval of By-laws for, under Section 297 (2) (f) of "The Municipal Act."

PUBLIC UTILITIES

Applications respecting Public Utilities will be found in the Appendix, indexed under the names of the Parties thereto.

H. C. SMALL,
Secretary.

REPORT OF THE SUPERVISOR OF TELEPHONE SYSTEMS FOR THE YEAR 1932

The following applications under the provisions of "The Telephone Act" were dealt with by the Board in 1932:

Under Section 19:	For the approval of municipal by-laws providing for the establishment of telephone systems	1
Under Section 24:	For the approval of municipal debenture by-laws to meet the cost of establishing or extending telephone systems	10
Under Section 27:	For authority to pass municipal debenture by-laws to meet the cost of reconstructing, replacing or altering telephone systems	3
Under Section 30:	For authority to meet a portion of debenture payments each year by the issue of new debentures	2
Under Section 31:	For the approval of the purchase of an existing telephone system by a municipality or any portion thereof	10
Under Section 59:	For an Order prescribing the date for holding the annual meeting of subscribers	1
Under Section 80:	For the approval of municipal by-laws granting the right to erect poles and wires upon the highways	11
Under Section 88:	For the approval of the by-laws of a telephone company	7
Under Section 93:	For the consent to erection of poles and wires parallel with existing lines	3
Under Section 95:	For an Order fixing the terms and conditions for furnishing service	1
Under Section 97:	For the approval of agreements providing for interchange of service	21
Under Section 98:	For an Order fixing terms and conditions for interchange of service	3
Under Section 102:	For the approval of the sale of telephone systems	3
Under Section 103:	For authority to increase the charges for telephone service	5
Under Section 109:	For an Order re maintenance of reserve for depreciation	1
Under Section 110:	For authority to expend a portion of the moneys set aside for depreciation upon new construction or extensions or in the purchase of securities	8
Under Section 125:	Complaint as to breach of Companies Act in respect of procedure at annual meeting of shareholders	1
	Total number of applications	91

The continued policy of the Board in endeavouring to secure an amicable settlement of matters in dispute between the applicant and respondent has with the assistance of the Board's Supervisor, proved successful in the majority of such cases.

In addition to the applications and complaints referred to, a vast amount of correspondence relating to telephone matters has been dealt with by the Board's Supervisor, through the medium of which much information and assistance has been given to municipalities, companies and other persons interested, and many difficulties which might otherwise have necessitated a formal application and public hearing have been satisfactorily adjusted.

A number of points were visited by the Board's Inspector of Telephone Service during the year for the purpose of investigating complaints made by subscribers, and upon his report and recommendation the Board has been enabled to secure considerable improvement in the telephone service furnished by the systems coming under his observation.

The following changes in the ownership of telephone systems were made during the year:

The Aylmer and Malahide Telephone Company, Limited, acquired the system of The Malahide and Bayham Telephone Association, Limited, comprising 344 telephones.

The Bell Telephone Company of Canada purchased the system of The Tarentorus Telephone Company, Limited, comprising 25 telephones.

As a result of the prevailing economic depression there was a decrease in the number of telephones in service of 6,055 or 5.3 per cent. of the total stations in operation on December 31st, 1931. It may be noted, however, that the loss of stations in the rural communities of Ontario has not been as great as that in the urban centres as indicated by statistics furnished by The Bell Telephone Company of Canada which show a decrease of 8 per cent. during the same period.

The number of telephone systems within the jurisdiction of Ontario of which the Board has record is 606 operating 107,267 telephones, 33,987 miles of pole leads carrying 185,627 miles of wire and representing an investment of $10,250,318.

There are eleven systems owned and operated by municipalities under the provisions of Part I of the Act, viz.: the cities of Fort William and Port Arthur, the towns of Cochrane, Dryden, Fort Frances, Kenora, Keewatin and Rainy River, and the townships of Alberton, Caledon, and Hilliard.

One hundred and twenty systems are now established and operating under Part II of the Act, and furnishing service in two hundred and seventy-four towns, villages and townships.

In addition to the before-mentioned systems the Forestry Branch of the Department of Lands and Forests is operating an extensive system in connection with its work of fire prevention. This system comprises 1,245 miles of pole lead, 1,343 miles of tree attachments and 4,439 miles of wire, the total investment being approximately $275,000.

Detailed statistics and other information relative to these systems will be found in the appendix to this report, entitled "Telephone Systems, 1933."

FRANCIS DAGGER,
Supervisor of Telephone Systems.

APPENDIX

Procedure File A-2200

In the matter of the application of the Corporation of the Township of North York, for approval of its Restricted Area By-law No. 669, prohibiting the use of land or the erection or use of buildings within that part of the Township of North York commonly known as "Kingsdale," for any purpose other than detached private dwellings, churches and schools and to regulate the height, bulk and spacing and character of buildings within the said part of the said Township.

April 11th. Draft Order filed.
April 12th. Order.

November 19th, 1932.

Order

Upon application made by Counsel for the Corporation of the Township of North York, on Monday the 6th day of October, 1930, and adjourned until this day, and it appearing that the said By-law No. 669 had been amended by By-law No. 1170, and no one appearing to oppose the said Application.

It is ordered that the said By-law No. 669 as amended by By-law No. 1170 be and the same is hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-2937

In the matter of the petition of E. McMahon, and others, under Section 8 of "The Local Improvement Act," against the construction of a five-foot concrete sidewalk on the east side of Sweetland Avenue, between Somerset Street and Templeton Street, in the City of Ottawa, as a Local Improvement.

June 25th. Draft Order filed.
June 28th. Order issued.

June 28th, 1932.

Order

The Petition of E. McMahon, Esquire, and others, against the construction of a five-foot concrete sidewalk on the east side of Sweetland Avenue between Somerset Street and Templeton Street, in the City of Ottawa, as a local improvement under the provisions of Section 8 of "The Local Improvement Act," having come on to be heard pursuant to appointment at the City of Ottawa on the 25th of July, 1930, before Mr. Commissioner Ellis, duly authorized to hear and report upon the same as provided by Section 8 of "The Railway and Municipal Board Act," upon reading the said Petition and upon hearing what was said in support thereof and the said Commissioner having reported to the Board, and such report having been adopted as the basis of this Order:

1. The Board doth order and direct that the said Petition be and the same is hereby dismissed.

2. The Board doth further Order that the Corporation of the City of Ottawa do affix Law Stamps to a value of Fifteen Dollars ($15.00) to this Order in payment of the Board's tariff fee upon the said Hearing.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3253

In the matter of the application of the Corporation of the Village of Cardinal, under Section 16 of "The Municipal Act," for the annexation thereto of part of the Township of Edwardsburg, in the County of Grenville.

March 2nd. Agreement and draft Order filed.

March 3rd. Order issued.

October 8th, 1931.

Order

Upon the application of the Municipal Corporation of the Village of Cardinal, for an Order annexing to the said Corporation of the Village of Cardinal certain lands and premises in the Township of Edwardsburg, County of Grenville, hereinafter more fully described; in the presence of Counsel for the said Municipal Corporation of the Village of Cardinal and the Municipal Corporation of the Township of Edwardsburg, and having considered the application and the plan showing the lands to be annexed, and upon hearing what was alleged by Counsel aforesaid, and the owners of the lands hereinafter described consenting thereto and the Municipal Corporation of the Township of Edwardsburg and the Municipal Corporation of the Village of Cardinal consenting thereto and having executed an Agreement with respect to the conditions of the said proposed annexation:

The Board orders and proclaims that the lands and premises in the Township of Edwardsburg in the County of Grenville, and being more particularly described as follows: All and singular that certain parcel or tract of land and premises, situate, lying and being in the Township of Edwardsburg, County of Grenville and Province of Ontario, and being composed of part of the east half of Lot Seven (7), Concession One (1), of said Township, as shown on amended plan of said Lot made by T. C. Wiggins, O.L.S., and registered as No. 42 in the Registry Office of said County of Grenville, the said parcel containing by admeasurement nine and twenty-eight one-hundredths acres (9.28 acres) be the same more or less, the whole of which may be more particularly described by metes and bounds as follows:

Commencing at a wooden post planted in the northern boundary of King's Highway No. 2 at a point in the centre line of said Lot 7 distant one hundred and thirty-one feet (131′) when measured north 24 degrees west along said centre line from an old ordnance boundary stone; thence continuing north 24 degrees west along aforesaid centre line of Lot 7, a distance of five hundred and eighty-eight feet and ten inches (588′ 10″) to a wooden post planted in the northern boundary of Marjorie Street; thence north 51 degrees 27 minutes east along said northern boundary of Marjorie Street six hundred and sixty-four feet (664′) to the western boundary of Side Road allowance between Lots 6 and 7; thence continuing along same bearing forty-five feet (45′) to a wooden post planted in the eastern boundary of said Road allowance, which last mentioned eastern boundary marks the western limit heretofore of the Village of Cardinal; thence south 24 degrees east along said eastern boundary of Road allowance five hundred and eighty-eight feet and ten inches (588′ 10″) to a wooden post planted in the northern boundary of King's Highway No. 2 aforesaid; thence south 51 degrees 27 minutes west forty-five feet (45′) to a wooden post planted in the western boundary of said Road allowance; thence continuing north 51 degrees 27 minutes west along said northern boundary of King's Highway No. 2 six hundred and sixty-four feet (664) to the point of commencement, be annexed to the Municipal Corporation of the Village of Cardinal.

2. The said annexation shall take effect from and after the 1st day of January, A.D. 1932.

3. The said Corporation of the Township of Edwardsburg, County of Grenville, shall forthwith prepare and furnish the Municipal Corporation of the Village of Cardinal with a Special Roll showing all arrears of taxes with special rates assessed against the lands above described up to the 1st day of January, 1932, and the persons assessed therefor.

4. The Municipal Corporation of the Village of Cardinal shall have the right to collect all said arrears of taxes according to said Special Roll, including the right to distrain for non-payment of said arrears, or if necessary, the right to sell the said lands, if any, for non-payment of such arrears, as fully as if the said taxes had been assessed and levied by such Corporation, but the proceeds of the collection of such arrears or any part of same, after deducting therefrom the proper costs and expenses in connection with the collection of same as provided in "The Assessment Act," shall be repaid by the Municipal Corporation of the Village of Cardinal to the Municipal Corporation of the Township of Edwardsburg as and when collected, provided that the said Municipal Corporation of the Village of Cardinal shall proceed to collect the said arrears of taxes shown on the said Special Roll in the same way as if it had assessed and levied the same, but shall not be responsible to the Municipal Corporation of the Township of Edwardsburg for any such arrears of taxes which it may be unable to collect.

5. The Municipal Corporation of the Township of Edwardsburg shall indemnify and save harmless the Municipal Corporation of the Village of Cardinal from all loss, costs, charges and expenses arising from any act or omission of the Municipal Corporation of the Township of Edwardsburg or their officials or servants in connection with the said Special Roll.

6. From and after the 1st day of January, 1932, the said lands may be assessed in the usual way as part of the said Municipal Corporation of the Village of Cardinal.

7. The adjustments of assets and liabilities consequent upon the said annexation shall be made as of the 1st day of January, 1932, and in accordance with the provisions of Section 38 of "The Municipal Act."

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-3271

(See P.F. A-3303)

In the matter of "The Walkerville–East Windsor Water Commission Act, 1930," and in the matter of an Appeal under Section 19, subsection (1) thereof.

BETWEEN:

The Corporation of the Town of Riverside,

Appellant,

—and—

The Walkerville-East Windsor Water Commission,

Respondent.

(Adoption of New Schedule of Water Rates.)

May 4th. Hearing, 10 to 10.30 a.m., Court House, Sandwich. Adjourned to 21st and 22nd June, 1932.

May 7th. Hearing continued, for Return of Notice of Motion pursuant to arrangement. Counsel for Appellants may file and serve authorities. Respondents to have right to reply thereto. Judgment on motion reserved for one week.

June 15th. Hearing, at request of Counsel, postponed *sine die*.

PROCEDURE FILE A-3272

In the matter of Sections 56 and 59 of "The Highway Improvement Act" (Chapter 54, R.S.O., 1927); and in the matter of Section 28 of "The Public Works Act" (Chapter 52, R.S.O., 1927; and in the matter of Section 77a of "The Highway Improvement Act," being an amendment made in 1928 by the Act 18 Geo. V, Chapter 18, section 6, subsection (1);

BETWEEN:

The Provincial Improvement Corporation, Limited,

Claimant,

—and—

The Department of Highways of Ontario,

Respondent.

(Compensation for lands expropriated—Part Lot 1, Range 5, Kingsmill Reserve, Township Etobicoke, and part road allowance between Lots F and 1, Etobicoke, and part Lot 23, Registered Plan 1176, York.)

January 19th. Notice, for setting down appeal to Appellate Division, filed.

April 21st. Copy of Reasons for Judgment of Court of Appeal in Ellis (P. F. A-3734) and Sweeney (P.F. A-3735) Arbitrations filed. Appeal dismissed (Court not having jurisdiction).

May 16th. Hearing continued, pursuant to adjournment on October 21st, 1931, 10.30 a.m. to 3.40 p.m. Amended Claim admitted. Adjourned to 10.30 a.m. to-morrow.

May 17th. Hearing continued, 10.30 a.m. to 5 p.m. Adjourned to 10.30 a.m. to-morrow.

May 18th. Hearing continued, 10.30 a.m. to 5 p.m. Adjourned to 10.30 a.m. to-morrow.

May 19th. Hearing continued, 10.30 a.m.; 11 a.m. to 12.15 p.m. Hearing concluded. Award reserved.

June 17th. Reasons for Judgment delivered.

June 17th. Order issued.

Reasons for Judgment

The Claimant, The Provincial Improvement Corporation, Limited, is the owner of certain land immediately west of the Humber River, and lying between the waters of Lake Ontario and the highway known as The Toronto-Hamilton Highway.

The said Claimant purchased the said property for the purpose of erecting thereon a certain amusement or dance hall located partly on the said property, and partly extending out over the waters of Lake Ontario, which said building is known as the Palace Pier.

The bridge crossing the Humber River at the point in question being considered too small to accommodate the traffic along that particular highway, it was decided to erect a new bridge at an elevation higher than the old bridge, and wide enough to accommodate the annually increasing traffic in that particular vicinity.

For the purpose of bringing up the highway to the proper approach to the bridge, and to make the highway in keeping with the said bridge, the Department of Highways found it necessary to extend the roadway and to expropriate for such purpose a portion of the land owned by the Claimant amounting in all to approximately 19,500 square feet.

For the land so taken the said Claimant asks compensation, and in addition thereto very substantial damages by reason of the fact that the roadway leading to the bridge having been elevated some feet above the level of the former roadway, the property of the Claimant has been very much damaged, and the location of the Palace Pier as an amusement place has been very much reduced in value, and for other reasons set out in the Statement of Claim filed.

The original Claim against the Department of Highways filed by the Claimant amounted to $183,840.00, which Claim is made up as follows:

1st Item is the loss of approximately 20,000 square feet of land at $3.00 per square foot, making a loss of		$60,000.00
2nd Item is loss of river frontage, being 100 lineal feet at $400 per foot, making	$40,000.00	
Less area included in Item 1	18,000.00	
		22,000.00
3rd Item is additional fill over the whole site due to change in road elevation, 18,000 cubic yards at 60c		10,800.00
4th Item is damage to property due to change in elevation of roadway:		
(a) Retaining wall for north-east corner of property	$12,000.00	
(b) Loss of land on three sides, all frontages, 880 lineal feet by 11 feet—9,680 square feet at $3	29,040.00	
(c) Increased cost of foundations of boiler house and other buildings along entire northerly front of property	20,000.00	
		61,040.00
5th Item is:		
(a) Damages to easterly 150 feet of northerly frontage owing to same being below new level of roadway	$5,000.00	
(b) Retaining wall required for 200 feet on west boundary of property, 200 feet at $25	5,000.00	
		10,000.00
6th Item—Present value of existing buildings in expropriated area		5,000.00
7th Item—Moving Imperial Oil Service Station		5,000.00
8th Item—General damage resulting from expropriation of land, including engineering fee		10,000.00
Total		$183,840.00

Subsequent to a partial hearing of the above Claim the Claimant filed an Amended Statement of Claim as follows:

ITEM 1—Permanent loss of boat house site and riparian rights to 98.66 feet	$27,080.00
ITEM 2—Cost of replacing 19,500 square feet of land, including piling and retaining walls which are necessary to retain land owing to increased elevation of highway or, in the alternative, the value of 10,000 square feet of land	75,027.89
ITEM 3—10% of Items 1 and 2 due Claimant for compulsory taking and disturbance	10,210.79
ITEM 4—Retaining walls made necessary by reason of the change in elevation of highway by the Contestant:	
(a) Retaining wall for north-east corner of property	14,016.79
(b) Retaining wall for entire west boundary of property	10,799.28
ITEM 5—Additional fill for the whole site due to change in road elevation —29,300 cubic yards at 60c per cubic yard	17,580.00
Or, in the alternative, loss of access to property owing to the change in road elevation by the Contestant, and loss by severance owing to the expropriation of the Claimant's lands.	
ITEM 6—Increased cost of foundations to boiler houses, stores and other buildings to be built on property owing to change in elevation, also loss of solidity of ground replaced, and increased cost of building road	7,048.47
ITEM 7—Cost of filling south side slope of roadway in front of property	400.00
ITEM 8—(a) Moving Imperial Oil Station	1,470.00
(b) Loss of Income from this Station for 2 years and 8 months	4,600.00
ITEM 9—(a) Value of boat house which has been torn down and removed by the Contestant	6,000.00
(b) Value of other neighbouring buildings removed by Contestant, and piling	872.40
(c) Loss of income from boat house and restaurant for 19 months during period in which bridge was being built	3,095.00
ITEM 10—Cost of raising ball-room building of Palace Pier to the same relative height in respect to the new roadway as it was in relation to the old roadway. This raising is due to the increased height of roadway and the consequent lowering of the Claimant's land	109,084.50
ITEM 11—Damages for loss of revenue on the first unit of the Palace Pier for one year due to the holding up of work, postponing of business and postponing opening of Palace Pier, carrying charges and interest on capital invested	187,152.00
Total	$474,437.12

The matter came on for hearing originally on the 29th day of April, 1931, and after several hearings and adjournments was finally concluded on the 19th day of May, 1932, when after hearing the argument of counsel judgment was reserved.

After consideration the Board finds as follows:

1. The Department of Highways for the Province of Ontario has taken 19,500 square feet of land, the property of the Claimant, and the value of the land so taken has been variously estimated from forty-four cents a square foot by Mr. McLaughlin, a well known and reputable real estate agent in the City of Toronto, to in or about $1.50 a square foot by Mr. Bosley, also a prominent and reliable real estate agent in Toronto. Other expert evidence was offered as to the actual value of the land taken, and the Board has decided that $20,000 would be a fair and reasonable amount to pay for the 19,500 square feet of land as such taken by the Department of Highways, and finds accordingly;

2. As to the Claim for loss of river frontage, upon close examination of the evidence it appears that there was very little real frontage owned by the Claimant, and that therefore very little allowance should be made in this respect. However, there does appear to have been in or about ten feet of the Claimant's property

actually touching the river, and this might be used, and probably was used, for access to the river by the occupant of the building at one time erected on the Claimant's property, and known as the Hicks Boat House. The Board is making an allowance of $5,000.00 for this river frontage;

3. It appears from the evidence that the Claimant before anything was done as far as erecting a building upon the premises is concerned was aware that some alteration was to be made in connection with the bridge crossing the highway, and the highway upon which this property abutted, and it further appears that before the foundation of the building now erected had been completed, and certainly before any building had been erected upon the said foundation, the Claimant was in full possession of the knowledge that the bridge was to be erected, and the road constructed to meet the bridge at the elevation as it now exists, and with full knowledge of this situation the Claimant continued the erection of its said building.

The result, therefore, is that the highway now stands two feet higher than the property of the Claimant at its western extremity, and eleven feet higher than the Claimant's property at its easterly extremity, and that to place the Claimant in as good a position for all purposes as he would have been had the roadway not been altered, quite an extensive fill will be required, and in connection with this fill steel piling or a retaining wall will be necessary.

This is considered by the Board to be the large and important item in the Claimant's Claim, and although Mr. Cummings estimates the cost of this fill at almost $14,000, the Board is inclined from the evidence submitted to grant to the Claimant a somewhat larger sum, and fixes the amount at $20,000.00, which covers all filling, grading and retaining wall required to place the property of the Claimant in as good a position as it was before the roadway in question was elevated.

4. The Claim for damages to the property by reason of the road elevation consisting of:

(a) retaining wall;
(b) loss of land frontage;
(c) increased cost of foundation, etc.;

is not allowed as these several items are covered by Items 2 and 3 above referred to;

5. No allowance is made for the Claim set out as the 5th Item of the Claim filed, as these are also covered by the previous allowances;

6. There was on the property expropriated a building occupied as a boathouse and as a restaurant, and while the evidence was that by reason of age and dilapidation the building was of very little value, yet it was a revenue producer to the Claimant, and while it might not have continued as such for many years there is reason to suppose that it would have been occupied by the tenant in occupation at the time of expropriation for some considerable time, and the Board is of the opinion that for this building by reason of its particular location and occupation they should be allowed $3,000.00;

7. No allowance is made for the moving of the Imperial Oil service station as nothing appears to have been paid, and in any event an arrangement was made with the Imperial Oil Company in the lease given whereby its removal was anticipated, and the Claimant was called upon to pay only the actual cost of moving, and even that they were not required to expend;

8. There is no general damage resulting from the expropriation of the land over and above the damages allowed as above set out.

As to the Amended Claim:

Item 1. The only apparent right that the Claimant appears to have held was so small, probably about ten feet, and an allowance for this having been made as above set out, no further allowance can now be considered;

Item 2. Having herein allowed $20,000.00 for the 19,500 square feet of land taken by the Department of Highways, the Board cannot make a double allowance and grant to the Claimant not only the purchase price of the land, but in addition thereto the amount required to replace it, and so no allowance is made for Item 2;

Item 3. The Board has made an allowance of $20,000.00 for the land taken, and there was to be added to this 10% for compulsory taking and disturbance or $2,000.00;

Item 4 and Item 5. These have been considered and allowed in the original Claim, and no further allowance can be made;

Item 6. From the evidence it appears that the intended change in the elevation of the roadway was known to the Claimant before the erection of the building, and no increased cost can be allowed inasmuch as the building was constructed with full knowledge of what was to be expected as to the roadway;

Item 7. Has already been considered;

Item 8. No allowance is made for either (a) or (b) as the moving of the Imperial Oil station was contemplated and provided for at the time the lease was made;

Item 9. Being the value of the boat house, etc., has already been fixed;

Item 10. No allowance can be made for this item for the reasons as above set out;

Item 11. Damages for loss of revenue cannot be considered as this claim is very much too remote to be even closely estimated, as whether the business would mean a profit or a loss is a question that can only be answered by experience.

The Board therefore allows to the Claimant the following:

(1) For land taken	$20,000.00
(2) Loss of river frontage	5,000.00
(3) Cost of fill, retaining wall, etc	20,000.00
(6) Allowance for boat house building	3,000.00
Item 3—Amended Claim:	
10% of $20,000.00 for compulsory taking	2,000.00
	$50,000.00

Interest to be paid on this $50,000.00 at the rate of 5% per annum from the date of expropriation.

The Claimant shall be allowed costs as taxed by the taxing officer of the Supreme Court of Ontario upon the Supreme Court scale.

Dated at Toronto the 17th day of June, 1932.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) J. A. Ellis,
Vice-Chairman.

June 17th, 1932.

ORDER

This Claim having come on for hearing on the 29th day of April, 20th day of May, 10th day of June, 30th day of September, 1st, 14th and 21st days of October, in the year 1931, and on the 16th, 17th, 18th and 19th days of May, 1932, before this Board at the Sittings thereof holden at the City of Toronto, in the presence of Counsel for all parties, and upon hearing read the pleadings and the amended Statement of Claim, and upon hearing the evidence adduced and what was alleged by Counsel aforesaid, this Board was pleased to direct that this claim stand over for judgment, and the same coming on this day for judgment:

1. This Board doth Order and adjudge that the Claimant do recover from the Contestant the sum of Fifty Thousand Dollars ($50,000.00) with interest thereon at the rate of Five per centum per annum from the date of expropriation, being the 30th day of September, 1930, as compensation for all damages for the lands of the claimant taken or injuriously affected which said lands are more particularly described in the Statement of Claim herein.

2. And the Board doth further Order and adjudge that the Claimant do recover from the Contestant its costs of these proceedings before the Board taxable upon the Supreme Court scale.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3303

In the matter of "The Walkerville-East Windsor Water Commission Act, 1930,"

BETWEEN:

The Municipal Corporation of the Township of Sandwich East,
Appellant,

—and—

The Walkerville-East Windsor Water Commission,
Respondent.

(Appeal from New Schedule of Rates.)

May 4th. Hearing continued, 10 to 10.30 A.M., Court House, Sandwich, adjourned to 21st and 22nd June, 1932.

(See P.F. A-3271.)

PROCEDURE FILE A-3309

In the matter of the Petition of John Robertson and others, under Section 8 of "The Local Improvement Act," against the construction as a Local Improveent of a sewer on Palmerston Avenue (Boulevard) between the centre line College Street and south side line of Bloor Street, in the City of Toronto.

January 7th. Petition dismissed. City Solicitor to draft Order.
January 16th. Draft Order filed.
January 16th. Order issued.

January 7th, 1932.

ORDER

This Petition having come on for Hearing by appointment before the Board on the first and twenty-third days of April, 1931, in the presence of a number of the Petitioners and of Counsel for the Corporation of the City of Toronto, having heard read the Petition and the other material filed, and having heard the evidence which was adduced before the Board and what was alleged by various of the Petitioners and by Counsel aforesaid, and Judgment having been reserved until this day:

The Board Orders that this Petition be and the same is hereby dismissed.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-3404

Application by the Corporation of the Township of Ekfrid, under subsection (9) of Section 469 of "The Municipal Act," for relief from its obligation to rebuild "Robinson" Bridge over Creek on River Road through the south half of Lot 3, in the Fifth Range south of the Longwoods Road, in the Township of Ekfrid, and the north half of Lot 3 in the Sixth Range south of the Longwoods Road in the said Township, and the road allowance between the said Lots.

February 12th. Hearing continued, 12.45 to 1.45 p.m., City Hall, London. Mr. Sanders to furnish list of names of parties wanting compensation to Mr. Elliott ten days before date of Hearing. Adjourned, after Argument, *sine die.*

June 7th. Draft Order filed.
June 9th. Order issued.

April 20th, 1932.

ORDER

Upon the application of the Corporation of the Township of Ekfrid, in the County of Middlesex, for an Order relieving the said Corporation from the obligation to rebuild the bridge over the Creek on the River Road through the south half of Lot Three in the Fifth Range south of the Longwoods Road in the Township of Ekfrid and the north half of Lot Three in the Sixth Range south of the Longwoods in the said Township and the Road Allowance between the said Lots, and the same having come on for hearing on the 15th day of October, 1931, pursuant to appointment, at the Town Hall, in the Village of Glencoe, and on the 12th day of February, 1932, pursuant to appointment, at the Council Chamber, in the City Hall, in the City of London, before the Chairman and Vice-Chairman of the Ontario Railway and Municipal Board, in the presence of Counsel for the said Corporation of the Township of Ekfrid and of Counsel on behalf of certain ratepayers in the locality opposing the said Application, upon hearing the evidence adduced and what was alleged by Counsel aforesaid,

1. This Board doth order and determine that the said Corporation be and it is hereby relieved from the obligation to rebuild the said bridge over the said Creek.

2. This Board doth further order and determine that the Applicant shall pay Twenty Dollars ($20.00) fee for Law Stamps on this Order, but otherwise does not see fit to make any further Order as to costs of this Application.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-3481a

Application by the Corporation of the City of Toronto, under Section 398 of "The Municipal Act," for approval of its By-law No. 13184, being a By-law to restrict to use for detached private residences only land and buildings on Lytton Boulevard, in the said City.

January 6th. Hearing, 10.30 to 11.40 a.m., at Board's Chambers. Adjourned to 10.30 a.m., 9th February, 1932.

February 9th. Hearing continued, 10.30 to 10.50 a.m. Application granted. Applicant's Solicitor to draft Order.

February 18th. Draft Order filed.

February 18th. Order issued.

February 9th, 1932.

Order

The application of the Corporation of the City of Toronto for approval pursuant to Section 398 of "The Municipal Act," being R.S.O., 1927, Chapter 233, and amendments of its above mentioned by-law, having come on for hearing by appointments before this Board on Tuesday the 15th day of September, 1931, and on Wednesday the 6th day of January, 1932, and pursuant to an adjournment directed by the Board, also on this day in the presence of Counsel for the Applicant and of various property owners affected and Counsel for property owners affected, proof having been filed of due service of all notices as required by the aforesaid statute and the directions of the Board given thereunder, and By-law No. 13399 of the said Corporation passed on the 2nd day of November, 1931, to amend the aforesaid By-law No. 13184, having been duly laid before the Board and the Board having heard read the said by-laws and the other material filed and having heard what was alleged by all persons before the Board.

The Board orders under and pursuant to the statute aforesaid that By-law No. 13184 of the said Corporation being intituled "A by-law to restrict to use for detached private residences only land and buildings on Lytton Boulevard," as amended by By-law No. 13399 of the said Corporation being intituled "A By-law to amend By-law No. 13184 imposing certain residential restrictions on Lytton Boulevard," and the said By-law No. 13399 be and the same are hereby approved.

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Seal)

PROCEDURE FILE A-3574

In the matter of the Railway and Municipal Board Act;

And in the matter of Section 257 of The Railway Act;

And in the matter of By-law No. 3336, passed by the Municipal Council of the Corporation of the City of Hamilton;

And in the matter of Order of the Ontario Railway and Municipal Board dated 24th day of April, 1931.

February 11th. Agreement filed as directed.

March 2nd. Approved draft Order filed.

March 3rd. Order issued.

October 26th, 1931.

ORDER

Upon the application of the Corporation of the City of Hamilton for an Order varying and amending the Order of this Board dated 24th April, 1931, in the presence of Counsel for the Applicant, for the Hamilton Street Railway Company and for the employees of the said Street Railway Company; and it appearing that the Parties hereto consent:

1. The Board doth order that its said Order dated 24th April, 1931, be and the same is hereby amended as follows:

   (a) The word "September" in the second line of the paragraph numbered "2" be stricken out, and the word "November" substituted therefor.

   (b) The figures "1932" following the word "January" in the third line of paragraph numbered "4" be stricken out, and the figures "1933" substituted therefor.

2. The Board doth further order that the Applicant shall pay all fees payable in respect of this Order.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3645

In the matter of an application by the Village of Forest Hill for the approval of the construction as a local improvement of the widening, altering the grade of and improving Bathurst Street, in the said Village, from Eglinton Avenue to the south limit of the Belt Line Railway, pursuant to the provisions of "The Local Improvement Act," being Chapter 235 of the Revised Statutes of Ontario, 1927.

June 8th. Approved draft Order filed.

June 9th. Order issued.

August 20th, 1931.

ORDER

Upon the application of the Corporation of the Village of Forest Hill, and upon reading the material filed in support of the same, and this application having come on for Hearing before the Chairman and Vice-Chairman of The

Ontario Railway and Municipal Board on the 19th and 20th days of August, 1931, pursuant to appointment, and upon hearing Counsel for the Applicant, Melville Grant, Esquire, and Counsel for the Bruce Land Company, Limited, F. G. McBrien, Esq., and W. C. Parrott, Esquire; W. T. Ryan and John Stacey appearing personally, and upon hearing the evidence adduced, and upon hearing Counsel for the Applicant, and for the Bruce Land Company, Limited, and the ratepayers appearing personally,

1. The Board, pursuant to Section 6 of "The Local Improvement Act," being Chapter 235 of the Revised Statutes of Ontario, 1927, approves of the undertaking of the widening, altering the grade of and improving Bathurst Street, from Eglinton Avenue to the south limit of the Belt Line Railway, as a local improvement, and directs that if the said work is undertaken that the cost thereof shall be charged in the following manner:

(a) There shall be charged upon the Lots abutting directly upon the work, two decimal six five per cent. (2.65%).

The land included in the abutting property shall be Bathurst Street, the east side, from Eglinton Avenue to the south limit of the Belt Line Railway; the west side from Eglinton Avenue to the south limit of Hopewell Avenue.

The estimated special rate per foot frontage is One Dollar and Thirteen Cents ($1.13).

(b) The Corporation shall bear thirty-five decimal nine five per cent. (35.95%) of the residue, being thirty-five per cent. (35%) of the cost of the work.

(c) Non-abutting property, consisting of

Land on the east side of Bathurst Street from the south limit of the Belt Line Railway to the north limit of Lot Number 1, Plan 734, being the south limit of the property owned by the Sisters of Our Lady of Charity;

Land on the west side of Bathurst Street from the south limit of the Belt Line Railway to the north Village limits;

Land on Roselawn Avenue, both sides, from the westerly limit of Lot Number 416, Plan 1769, to the easterly limits of Lots Numbers 7 and 70, Plan 734;

Land on Superior Avenue, both sides, from Manitou Boulevard to Bathurst Street, Plan 1769.

Land on Saugeen Avenue, both sides, from Manitou Boulevard to Bathurst Street, Plans 1769 and 1863.

Land on Breslin Road, both sides, from Manitou Boulevard to Bathurst Street, Plan 1863.

The said lands shall bear eight decimal nine five per cent. (8.95%) of the residue, being eight decimal seven one per cent. (8.71%) of the cost of the work.

The estimated special rate per foot frontage is One Dollar and four cents ($1.04).

(d) Non-abutting property consisting of

Land on Wembley Avenue, both sides, from Bathurst Street to Cheyne Avenue:

Land on Hilltop Road, both sides, from southerly limits of Lots Numbers 37 and 38, Plan 1850, to the northerly limits of Lots Numbers 87 and 88, Plan 1850;

Land on Cheyne Avenue, both sides, from the southerly limits of Lot Number 15, Plan 1596, and Lot Number 53, Plan 2365, to the northerly limits of Lot Number 20, Plan 1596 and Lot Number 35, Plan 2365;

Land on the north side of Eglinton Avenue, from Bathurst Street westerly to Cheyne Avenue, excepting the portion included in the abutting property, and Lots 6 to 9, Plan 1850, and Lots 1, 2 and 50, Plan 504.

The said lands shall bear seven decimal one five per cent. (7.15%) of the residue, being six decimal nine six per cent. (6.96%) of the cost of the work.

The estimated special rate per foot frontage is seventy-one cents (71c).

(e) Non-abutting property, consisting of

Land on Whitmore Avenue, both sides, Bathurst Street to Cheyne Avenue;

Land on Hopewell Avenue, both sides, Bathurst Street to Cheyne Avenue;

Land on Shallmar Boulevard, both sides, Hilltop Road to Cheyne Avenue;

Land on Hilltop Road, both sides, from the northerly limits of Lots Numbers 87 and 88, Plan 1850, to the south limit of the Belt Line Railway;

Land on Cheyne Avenue, both sides, from the northerly limits of Lot Number 20, Plan 1596, and Lot Number 35, Plan 2365, to the south limit of the Belt Line Railway;

Lots Numbers 119 to 122 on Shallmar Road, according to Plan 1924;

Land on Austin Avenue, both sides, from Old Forest Hill Road to Shallmar Road, Plan 1924;

Land on Old Forest Hill Road, both sides, from Bathurst Street to Eglinton Avenue;

The said lands shall bear eighteen decimal nought eight per cent. (18.08%) of the residue, being seventeen decimal six nought per cent. (17.60%) of the cost of the work.

The estimated special rate per foot frontage is eighty-three cents (83c).

(f) Non-abutting property, consisting of

Land on Roselawn Avenue, both sides, from the westerly limits of Lots Numbers 204 and 364, Plan 1769, to the easterly limits of Lot 415, Plan 1769;

Land on Superior Avenue, both sides, from Manitou Boulevard to Chippewa Street, Plan 1769;

Land on Saugeen Avenue, both sides, from Manitou Boulevard to Chippewa Street, Plan 1863;

Land on Riddell Avenue, both sides, from Chippewa Street to the westerly limits of Lots Numbers 151 and 83, Plan 2423;

Land on Breslin Road, both sides, from Manitou Boulevard to Chippewa Street, Plan 1863;

Land on Briar Hill Avenue, both sides, from Chippewa Street to westerly limits of Lots Numbers 9 and 56, Plan 2423;

Land on Chippewa Street, both sides, from Roselawn Avenue, Plan 1769, to the north Village limits;

Land on Dacotah Street, both sides, from Roselawn Avenue, Plan 1769, to Riddell Avenue, Plan 2423;

Land on Iroquois Street, both sides, from the northerly limit of the Belt Line Railway, Plan 1769, to Briar Hill Avenue, Plan 2423;

Land on Mohican Street, both sides, from Roselawn Avenue, Plan 1769, to Riddell Avenue, Plan 2423.

The said lands shall bear eighteen decimal one eight per cent. (18.18%) of the residue, being seventeen decimal seven nought per cent. (17.70%) of the cost of the work.

The estimated special rate per foot frontage is seventy-one cents (71c).

(g) Non-abutting property, consisting of

Land on Roselawn Avenue, both sides, from the west Village limits to the easterly limits of Lots Numbers 205 and 363, Plan 1769;

Land on Riddell Avenue, both sides, from the west Village limits to the easterly limits of Lots Numbers 150 and 84, Plan 2423;

Land on Briar Hill Avenue, both sides, from the west Village limits to the easterly limits of Lots 55 and 10, Plan 2423;

Land on Nokomis Street, both sides, from the northerly limit of the Belt Line Railway, Plan 1769, to Briar Hill Avenue, Plan 2423;

Land on Oneida Street, both sides, from Roselawn Avenue, Plan 1769, to Riddell Avenue, Plan 2423;

Land on Pontiac Street, both sides, from the northerly limit of the Belt Line Railway, Plan 1769, to the north Village limits;

Land on Sagamo Street, both sides, from Roselawn Avenue, Plan 1769, to Riddell Avenue, Plan 2423.

The said lands shall bear five decimal four four per cent. (5.44%) of the residue, being five decimal three nought per cent. (5.30%) of the cost of the work.

The estimated special rate per foot frontage is twenty-seven cents (27c).

(h) Non-abutting property, consisting of land on the west side of Bathurst Street, from the north limit of Hopewell Avenue to the south limit of the Belt Line Railway, shall bear two decimal two two per cent. (2.22%) of the residue, being two decimal one six per cent. (2.16%) of the cost of the work.

The estimated special rate per foot frontage is Two Dollars and Twenty-six cents ($2.26).

(i) Non-abutting property, consisting of the land on the east side of Bathurst Street, from the north limit of Lot Number 1, Plan 734, to the north limits of the Village, shall bear four decimal nought three per cent. (4.03%) of the residue, being three decimal nine two per cent. (3.92%) of the cost of the work.

The estimated special rate per foot frontage is Two Dollars and Four Cents ($2.04).

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-3679

Application by the Corporation of the City of Ottawa, under Section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 7201 (Charlotte Street, etc.).

January 8th. Hearing, pursuant to adjournment, 10 a.m. to 10.45 a.m., Court House, Ottawa. Adjourned to January 22nd, 1932, at 10 a.m., at the Court House, Ottawa.

January 20th. Application withdrawn.

Procedure File A-3710

In the matter of the Petition of J. L. Gilhuly and Louise M. Moodie, under Section 8 of "The Local Improvement Act," against the construction of a 9″ sewer on Clarey Avenue, from a point 12′ east of the westerly limit of Lot 40 to a point 10′ east of the westerly limit of Lot 42, and southerly from a point 25′ north to the northwest corner of Lot 45, and thence by easement through Lots 45, 46 and 50 to the south boundary of Holmwood Avenue, in the City of Ottawa.

January 8th. Hearing continued, pursuant to adjournment, 10 A.M. to 10.45 A.M., Court House, Ottawa. As a result of an Agreement, as per plan filed, between the City and all parties concerned, the Petition is withdrawn.

January 11th. Draft Order filed.

January 18th. Order issued.

January 8th, 1932.

ORDER

The Petitions of J. A. Gilhuly and Louise M. Moodie, under Section 8 of "The Local Improvement Act," against the construction of a nine-inch sewer on Clarey Avenue in the City of Ottawa having come on to be heard before this Board pursuant to appointment on Friday the 20th day of November, A.D. 1931, at the hour of Ten o'clock in the forenoon, at the Court House, in the City of Ottawa, in the presence of a representative on behalf of the said Petitioners, whereupon hearing what was alleged on behalf of the said Petitioners and on behalf of the Corporation of the City of Ottawa, the said Hearing was adjourned to the 8th day of January, 1932, at the hour of Ten o'clock in the forenoon; whereupon it appearing that the Local Improvement Report for the construction of the said sewer had been amended so as to remove the objections of the said Petitioners,

1. The Board doth order and direct that the said Local Improvement Report as amended be confirmed, and that the said Petition be and the same is hereby dismissed.

2. The Board doth further order and direct that the Corporation of the City of Ottawa do affix to this Order Law Stamps to the value of $30.00, as representing the tariff fee of the Board upon the said Hearing.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3717

In the matter of the application of the Corporation of the Town of Amherstburg, under Section 398 of "The Municipal Act," for approval of its By-law No. 539-B, being a By-law restricting the use of land, the erection and use of buildings on land situated within certain defined areas.

February 1st. Copy of By-law containing amended description filed.

February 1st. Application granted. Applicant's Solicitor to draft Order.

February 20th. Approved draft Order filed.

March 2nd. Order (dated December 16th, 1931), issued.

December 16th, 1931.

ORDER

This application coming on for hearing at the Town Hall, in the Town of Amherstburg, on Tuesday the Fifteenth day of December, 1931, before the

Chairman of this Board (duly authorized under Section 8 of "The Railway and Municipal Board Act"), and it appearing by the affidavit of W. A. McCormick, Clerk of the Town of Amherstburg, filed, that all proper parties had been duly notified of the appointment for the hearing of this application, and in the presence of Counsel for the Town of Amherstburg and Counsel for the Petitioners opposing the By-law and for ratepayers supporting the same, and in the presence of ratepayers of the Town of Amherstburg, and the approval of this Board having been reserved until this date,

It is ordered, under and in pursuance of the provisions of Section 398 of "The Municipal Act," that the said By-law No. 539B of the Municipal Corporation of the Town of Amherstburg be and the same is hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3723

In the matter of the Petition of The Ottawa Land Association, Limited, and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a fifteen-inch sewer on Faraday Street, from Hamilton Avenue to Holland Avenue, in the City of Ottawa.

May 13th. Approved draft Order filed.
May 13th. Order issued.

November 12th, 1931.

Order

The Petition of the Ottawa Land Association, Limited, and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a fifteen-inch sewer on Faraday Street, in the City of Ottawa, from Hamilton Avenue to Holland Avenue, having come on to be heard, pursuant to appointment, at a special sittings held at the City of Ottawa on the 10th day of November, A.D. 1931, before Mr. Commissioner Ellis, duly authorized under Section 8 of "The Railway and Municipal Board Act," in the presence of the Petitioners and of the City Engineer, and of Counsel for the Petitioners and for the City Corporation, upon reading the Petition and the material filed in connection therewith, upon hearing the evidence and what was alleged by Counsel aforesaid, and Mr. Commissioner Ellis' Report on such Hearing having been duly adopted as the Order of the Board,

1. The Board orders and directs that the said Petition be allowed and that Local Improvement Report Number 596-C of the said Corporation for the undertaking of the said work be, and the same is hereby set aside.

2. The Board directs that its fee for the said sittings be fixed at the sum of Ten Dollars ($10.00) to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3723-A

In the matter of the Petition of The Ottawa Land Association, Limited, and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a nine and twelve-inch sewer on Hamilton Avenue in the City of Ottawa, from a point thirty-five (35) feet south of the south limit of Lot 1297 to the north limit of Lot 21.

May 13th. Approved draft Order filed.

May 13th. Order.

November 12th, 1931.

ORDER

The Petition of The Ottawa Land Association, Limited, and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a nine and twelve-inch sewer on Hamilton Avenue, in the City of Ottawa, from a point thirty-five (35) feet south of the south limit of Lot 1297 to the north limit of Lot 21, having come on to be heard, pursuant to appointment, at a special sittings held at the City of Ottawa on the 10th day of November, A.D. 1931, before Mr. Commissioner Ellis, duly authorized under Section 8 of "The Railway and Municipal Board Act," in the presence of the Petitioners and of the City Engineer, and of Counsel for the Petitioners and for the City Corporation, upon reading the Petition and the material filed in connection therewith, upon hearing the evidence and what was alleged by Counsel aforesaid, and Mr. Commissioner Ellis' Report on such Hearing having been duly adopted as the Order of the Board,

1. The Board orders and directs that the said Petition be allowed and that Local Improvement Report Number 598-C of the said Corporation for the undertaking of the said work be, and the same is hereby set aside.

2. The Board directs that its fee for the said sittings be fixed at the sum of Ten Dollars ($10.00) to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. MCKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3723-B

In the matter of the Petition of The Ottawa Land Association, and others, under Section 8 of "The Local Improvement Act," against the construction of 9″ and 12″ sewers on Hinton Avenue, from a point 50′ south of the south limit of Lot 1664 to a point 40′ north of the north limit of Lot 1405, City of Ottawa.

April 4th. Application for re-hearing.

April 15th. Re-hearing, pursuant to appointment, 10 to 11 A.M., Court House, Ottawa—(Mr. Commissioner Ellis authorized under Section 17 of the Board's Act of 1932). Hearing adjourned to Friday the 29th April, at 10 A.M.

May 2nd. Hearing continued, pursuant to adjournment and postponement. 10 to 10.30 A.M. (Mr. Commissioner Ellis authorized under Section 17 of the Board's Act of 1932.) Recommendation that proposed work be approved on condition that 30 year debentures be issued therefor.

May 3rd. Recommendation adopted.

May 13th. Approved draft Order filed.

May 13th. Orders, dated November 12th, 1931, and May 3rd, 1932, issued

REPORT OF VICE-CHAIRMAN

The original Hearing of this matter was on the 10th November, 1931, and at that time the proposed work was for sewers on Hinton Avenue, Ottawa.

The Petition against the work was allowed on the ground that there then appeared to be no present necessity for the work.

The present application is for a re-hearing of the matter on the ground that conditions had changed. It appears that two lots had been recently sold by The Ottawa Land Association who owned nearly all the lots concerned. On one of these lots a house had been built, and The Ottawa Land Association had agreed in the Deed conveying the lot to assist the owner in getting sewer accommodation. At the re-hearing The Ottawa Land Association at first opposed, but finally agreed that if the debentures for the work were issued for 30 years the opposition would not be pressed.

There was no other opposition.

I recommend that the proposed work be approved upon condition that 30 year debentures be issued therefor.

(Sgd.) J. A. Ellis,
Commissioner.

May 2nd, 1932.

Adopted as the Order of the Board.

(Sgd.) C.R. McKeown,
Chairman.

May 3rd, 1932.

November 12th, 1931.

ORDER

The Petition of The Ottawa Land Association, Limited, and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a nine and twelve-inch sewer on Hinton Avenue from a point fifty (50) feet south of the south limit of Lot Number 1664 to a point forty (40) feet north of the north limit of Lot Number 1405 in the City of Ottawa, having come on to be heard, pursuant to appointment, at a special sittings held at the City of Ottawa on the 10th day of November, A.D. 1931, before Mr. Commissioner Ellis, duly authorized under Section 8 of "The Railway and Municipal Board Act," in the presence of the Petitioners and of the City Engineer, and of Counsel for the Petitioners and for the City Corporation, upon reading the Petition and the material filed in connection therewith, upon hearing the evidence and what was alleged by Counsel aforesaid, and Mr. Commissioner Ellis' Report on such Hearing having been duly adopted as the Order of the Board,

1. The Board orders and directs that the said Petition be allowed and that Local Improvement Report Number 597-C of the said Corporation for the undertaking of the said work be and the same is hereby set aside.

2. The Board directs that its fee for the said sittings be fixed at the sum of Ten Dollars ($10.00) to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

May 3rd, 1932.

ORDER

The application of the Corporation of the City of Ottawa for an Order vacating an Order of the Board made on the 12th day of November, 1931, setting aside Local Improvement Report Number 597-C of the said Corporation for the construction of a nine and twelve-inch sewer on Hinton Avenue from a point fifty (50) feet south of the south limit of Lot Number 1664 to a point forty (40) feet north of the north limit of Lot Number 1405 and for the approval of Local Improvement Report Number 609-C of the said Corporation for the construction of a nine, twelve and eighteen-inch sewer on the said Hinton Avenue from a point sixteen (16) feet north of the Canadian National Railway Right-of-way to a point twenty-nine (29) feet south of the north limit of Lot Number 1664, having come on to be heard before Mr. Commissioner Ellis, acting under the authority of Section 17 of "The Ontario Municipal Board Act, 1932," at a special sittings held at the City of Ottawa, pursuant to appointment on the 15th day of April, 1932, in the presence of Counsel for the Applicant and Counsel for The Ottawa Land Association, Limited, and The Ottawa Electric Railway Company, objecting parties, and having been adjourned until the 2nd day of May, 1932, and having come on again for hearing on the said date, upon reading the Notice of Application and material filed in connection therewith, the said Appointment for Hearing, and it appearing that notice of the said Appointment had been served upon all parties to be affected by the said work, in accordance with the requirement of the Board, upon hearing the evidence taken at the said sittings and adjourned sittings, before Mr. Commissioner Ellis, duly authorized as aforesaid, and upon hearing what was alleged by Counsel aforesaid, and the said Mr. Commissioner Ellis (now Vice-Chairman of the Board) having reported to the Board in writing under date of the 3rd day of May, 1932, and the Board having adopted such report as the basis of this Order:

1. The Board orders and directs that the said Application be allowed, and that the said Order of the Board, dated the 12th day of November, 1931, be set aside.

2. The Board further orders and directs that said Local Improvement Report Number 609-C be altered so as to provide that the lifetime of the said work shall be fixed at thirty (30) years, and having been so altered the Board orders that the same be, and the same is hereby approved.

3. The Board directs that its fee for the said sittings, fixed at the sum of Thirty ($30.00) dollars be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

PROCEDURE FILE A-3728

In the matter of "The Municipal Act," R.S.O., 1927, Chapter 233, Section 20; and in the matter of the Petition of W. D. Trigger, Sarah Trigger, and John Taylor, of the Township of Yarmouth, in the County of Elgin for annexation of part of Lot Seven (7) in the Ninth Concession of the Township of Yarmouth to the Corporation of the City of St. Thomas.

January 11th. Amended draft Order filed.
January 11th. Order issued.

November 10th, 1931.

ORDER

Upon the application of the said Petitioners, being all of the Municipal Electors in that part of the Township proposed to be annexed, upon reading the said Petition and the Affidavit of Walker C. Caughell, the Affidavit of William Scott McKay as to service of Notice of Petition and Resolution of the Council of the Corporation of the City of St. Thomas upon the Clerk of the Corporation of the Township of Yarmouth and the Clerk of the Corporation of the County of Elgin and certified copy of the Resolution of the Council of the Corporation of the City of St. Thomas deeming it expedient to annex the lands hereinafter described,

The Board orders and directs that that part of Lot Seven (7) in the Ninth Concession of the Township of Yarmouth, in the County of Elgin and Province of Ontario, more particularly described as follows:

> *Firstly:* Commencing at a point in the intersection of the easterly limit of said lot with the southerly limit of the Right-of-Way of the Canadian National Railway; thence westerly along the southerly limit of the Right-of-Way of the Canadian National Railway Four Hundred and Thirty-two and Five-tenths feet (432.5′); thence southerly parallel with the easterly limit of said Lot, One Thousand and Twenty-one and Five-tenths feet (1,021.5′) more or less to the North westerly limit of the Right-of-Way of the Canadian Pacific Railway; thence north easterly along the north westerly limit of the Right-of-Way of the Canadian Pacific Railway Eight Hundred and Twenty-four feet (824′) more or less to the intersection with the easterly limit of said Lot; thence northerly along the easterly limit of said lot, Three Hundred and Twenty-eight (328′) more or less to the place of beginning. Containing by admeasurement Six and Seven-tenths acres be the same more or less.
>
> *Secondly:* Commencing at a point in the southerly limit of the Right-of-Way of the Canadian National Railways distant Four Hundred and Thirty-two and Five-tenths feet (432.5′) measured westerly thereon from the easterly limit of said Lot; thence southerly parallel with the easterly limit of said Lot One Thousand and Twenty-one and Five-tenths feet (1,021.5′) more or less to the north westerly limit of the Right-of-way of the Canadian Pacific Railway; thence south westerly along the north westerly limit of the right of way of the Canadian Pacific Railway Six Hundred and Sixty-four feet (664′) more or less to its intersection with the line between the east half and west half of said Lot Seven (7); thence northerly along the line between the east half and west half of said Lot, One Thousand Five Hundred and Seventy-seven and Three-tenths feet (1,577.3′) more or less to its intersection with the southerly limit of the Right-of-Way of the Canadian National Railways; thence easterly along the southerly limit of the Right-of-Way of the Canadian National Railways Four Hundred and Fourteen and Eight-tenths feet (414.8′) more or less to the place of beginning. Containing by admeasurement Twelve and Fifty six one-hundredths acres be the same more or less;

be and the same is hereby annexed to the Corporation of the City of St. Thomas as of the date of this Order, and upon the terms and conditions as to the adjustment of assets and liabilities, taxation, assessments, improvements or otherwise, as follows:

(A) That all taxes imposed by the Township of Yarmouth on the said annexed lands for the year 1931 and any and all arrears of taxes on said lands (if any) shall belong to the said Township of Yarmouth and may be collected as provided by The Municipal Act or The Assessment Act.

(B) That the school debenture indebtedness chargeable against said lands as part of School Section Number 18 of the Township of Yarmouth, based on the Township assessment for the year 1931 as finally revised and the Township assessment of the lands annexed for the year 1931 shall be paid yearly as the same becomes payable according to the tenor of the existing debentures in that behalf by the Corporation of the City of St. Thomas to the Corporation of the Township of Yarmouth.

(C) That the said annexation shall take effect on, from and after the day of the date of the Order of the Board.

(D) In the adjustment of the assets and liabilities as between the Township of Yarmouth and the City of St. Thomas, such adjustment shall be based on the Township assessment for the year 1931 as finally revised and the Township assessment of the lands annexed for the year 1931.

(E) Notwithstanding anything heretofore contained all adjustments pursuant to the provisions of Section 38 of The Municipal Act shall be made as of the Thirty-first day of December, A.D. 1931.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3734

In the matter of Sections 56 and 59 of "The Highway Improvement Act" (Chapter 54, R.S.O., 1927);

And in the matter of Section 28 of "The Public Works Act" (Chapter 52, R.S.O., 1927);

And in the matter of the Expropriation of Part Lot 366, Plan M. 388, L.T.O., Toronto, property of Eleanor Ellis.

January 19th. Approved draft Order filed.

January 19th. Order.

April 21st. Reasons for Judgment of Court of Appeal filed. Appeal dismissed (Court not having jurisdiction). (See page 5, "Globe," 21st April, 1932).

December 18th, 1931.

ORDER

Upon the application of the above-named Applicant, in the presence of the Applicant and Respondent; upon hearing the evidence adduced on behalf of the Applicant and Respondent; and upon hearing Counsel for the Applicant and Respondent,

The Board orders that the Respondent do forthwith pay to the Applicant the sum of Two Thousand Dollars ($2,000.00), with interest thereon at the rate of five per centum (5%) per annum, from the twenty-third day of May, 1931, until payment.

And the Board further orders that the Respondent do pay the Applicant's costs, fixed at the sum of One Hundred and Fifty Dollars ($150.00).

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3735

In the matter of Sections 56 and 59 of "The Highway Improvement Act" (Chapter 54, R.S.O., 1927);

And in the matter of Section 28 of "The Public Works Act" (Chapter 52, R.S.O., 1927);

And in the matter of the Expropriation of part Lot 368, Plan M. 388, L.T.O., Toronto, property of Harry Sweeney and Eleanor Florence Sweeney.

January 19th. Approved draft Order filed.

January 19th. Order.

April 21st. Reasons for Judgment of Court of Appeal filed. Appeal dismissed (Court not having jurisdiction). (See page 5, "Globe," 21st April, 1932).

December 18th, 1931.

ORDER

Upon the application of the above-named Applicants, in the presence of the Applicants and Respondent; upon hearing the evidence adduced on behalf of the Applicants and Respondent; and upon hearing Counsel for the Applicants and Respondent,

The Board orders that the Respondent do forthwith pay to the Applicants the sum of Eighteen Hundred Dollars ($1,800.00), with interest thereon at the rate of five per centum (5%) per annum, from the twenty-third day of May, 1931, until payment.

And the Board further orders that the Respondent do pay the Applicant's costs, fixed at the sum of One hundred and fifty dollars ($150.00).

(Sgd.) C. R. MCKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3762

Application by the City of Toronto, under Section 398 of "The Municipal Act," for approval of its Restricted Area By-law 13385, restricting to use for private detached or semi-detached residences only the land and buildings on Sylvan Avenue.

February 9th. Hearing continued, 10.30 to 10.35 A.M. Copies of amending By-laws 13491 and 13539 filed. Application granted. By-law 13385 approved as amended.

February 18th. Draft Order filed.

February 18th. Order.

February 9th, 1932.

ORDER

The Application of the Corporation of the City of Toronto for approval pursuant to Section 398 of "The Municipal Act," being R.S.O., 1927, Chapter 233, and amendments, of its above-mentioned by-law, having come on for hearing by appointment before this Board on Monday the 30th day of November, 1931, and by adjournment directed by the Board also on this day in the presence of Counsel for the Applicant and of various property owners affected and Counsel for property owners affected, proof having been filed of due service of all notices as required by the aforesaid statute and the directions of the Board given thereunder, and by-laws numbers 13491 and 13539 of the said Corporation passed on the 14th day of December, 1931, and the 8th day of February, 1932, respectively, to amend the aforesaid by-law 13385 having been duly laid before the Board, and the Board having heard read the said by-laws and the other material filed and having heard what was alleged by all persons before the Board, and it appearing that all opposition to the said by-laws had been withdrawn,

The Board orders, under and pursuant to the statute aforesaid that by-law number 13385 of the said Corporation, being intituled "A By-law to restrict to use for private detached or semi-detached residences only the land and buildings on Sylvan Avenue," as amended by by-law number 13491 of the said Corporation, being intituled, "A By-law to amend By-law No. 13385 restricting to use for private detached or semi-detached residences only land and buildings on Sylvan Avenue," and as further amended by by-law number 13539 of the said Corporation being intituled, "A By-law to amend By-law No. 13385 restricting to use for private detached or semi-detached residences only the land and buildings on Sylvan Avenue," and the said by-laws numbers 13491 and 13539 be and the same are hereby approved.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-3764

Between:

The Ontario Jockey Club,
Appellant,

—and—

The Corporation of the City of Toronto,
Respondent.

(Assessment Appeal.)

January 13th. Hearing, 2.30 to 4.45 p.m., at Board's Chambers. Adjourned to 14th inst., at 10.30 a.m.

January 14th. Hearing continued, 10.30 a.m. to 1 p.m. Adjourned to 26th inst., at 11 a.m.

January 26th. Hearing continued, 11 a.m. to 5 p.m. Adjourned to 27th inst., at 10 a.m.

January 27th. Hearing continued, 10 a.m. to 5 p.m. Adjourned to 28th inst., at 10 a.m.

January 28th. Hearing continued, 10 a.m. to 11.30 a.m. Adjourned to February 19th, 1932.

February 19th. Hearing continued, 10.30 A.M. to 5 P.M. Adjourned to 20th inst., at 10 A.M.

February 20th. Hearing continued, 10 A.M. to 12.45 P.M. and concluded. Judgment reserved.

March 8th. Judgment delivered.

March 22nd. Notice of Appeal filed.

April 8th. Approved draft Order filed.

April 8th. Order issued.

October 7th. Appeal allowed in Part (Appellate Division): Buildings did not add to value of land (for subdivision). Club not liable to business assessment (see "Globe," 8th October, 1932; 41 O.W.N., 339; and O.R. (1932), 637).

JUDGMENT

The Assessor for the City of Toronto, in assessing the property of the Ontario Jockey Club known as the Woodbine Race Track, and consisting of 85.88 acres, assessed the land for $622,630.00, and the buildings, exclusive of the building occupied by the caretaker, at $200,000.00, making a total assessment of land and buildings, exclusive of the caretaker's house, at $822,630.00.

The land occupied by the caretaker's house having been assessed at $1,500.00, this amount was deducted from the total $822,630.00, and upon the balance, or $821,130.00, the business assessment was calculated, amounting to $205,282.00.

There was considerable evidence offered both by the Appellants and the City of Toronto, setting out the way in which the assessment of this property had been originally made, and setting out the value of the property both for race track purposes, and as a subdivision in the City of Toronto in the event of the racing being abandoned and the property sold as a subdivision.

The valuations given by the several expert witnesses varied from $355,000.00 to a sum somewhat over $1,000,000.00.

There was further evidence given as to a certain fifteen acres of land which in former years had not been considered as a part of the Woodbine Race Track, and which had been assessed at a different figure from that of the other property. This fifteen acres is now enclosed with the other land and has been by the Assessor considered as a part of the Woodbine Race Track in use and so assessed.

The land occupied by the caretaker's house was assessed for $1,500.00, and the building thereon for $2,500.00, and this figure was considered fair and reasonable and shall not be interfered with. All the land, however, enclosed, owned and occupied by the Ontario Jockey Club, consisting of 85.88 acres is by this Board considered to be the land of the Ontario Jockey Club used for racing purposes, and this Board fixes a value of $6,600.00 per acre thereon, making a total land assessment of $566,808.00. To this must be added the assessment of the buildings, namely, $200,000.00, making a total of $766,808.00 assessment for land and buildings. From this should be deducted the value of the land occupied by the caretaker's building, namely, $1,500.00, making a total of $765,308.00.

Upon this figure the business assessment will be calculated and should amount to $191,325.00. To this must be added the value of the caretaker's house, namely, $2,500.00, so that the total assessment will be for land and buildings $765,308.00, business assessment $191,325.00, caretaker's house and land $4,000.00; and the Board directs that the assessment of the said property shall be altered accordingly.

No costs are allowed to either party, save and except the costs of the Board in issuing the Order required herein, which shall be paid by the Corporation of the City of Toronto, and are fixed at $75.00.

Dated at Toronto
this Eighth day of March, A.D. 1932.

(Sgd.) C. R. McKeown,
Chairman.

March 8th, 1932.

Order

Upon the application of the Ontario Jockey Club by way of appeal from the decision of His Honour Judge Denton confirming the decision of the Court of Revision for the City of Toronto confirming the assessment of the lands and buildings of the applicant at the sum of $822,630.00 but reducing the amount of business assessment from $205,282.00 to $191,385.00, in the presence of Counsel for the applicant and for the Corporation of the City of Toronto, upon hearing the evidence adduced and what was alleged by Counsel aforesaid, this Board was pleased to direct this matter to stand over for judgment, and the same coming on this day for judgment,

1. This Board doth order and adjudge that the said assessment of the lands and building of the applicant be, and the same is hereby reduced to $765,308.00, being $565,308.00 on the land and $200,000.00 on the buildings exclusive of the assessment of the land and building occupied by the caretaker which is unchanged.

2. This Board doth further order and adjudge that the business assessment of the said applicant be and the same is hereby fixed at a sum equal to twenty-five per centum of the assessed value, namely, the sum of $191,325.00.

3. This Board doth further order and adjudge that no costs of this appeal shall be allowed to either party, save and except the costs of the Board fixed at $75.00 to be paid by the Corporation of the City of Toronto.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3781

In the matter of the Claim for compensation preferred by Harry B. Smith of Stoney Creek, Ontario, against the Department of Public Highways of the Province of Ontario, by reason of the expropriation by the said Highways Department of some 3.24 acres of Lot 26, in the Fourth Concession of the Township of Saltfleet.

February 16th. Hearing, 10.30 a.m.: 10.50 a.m. to 6.30 p.m., at Board's Chambers. Award reserved.

February 25th. Award.

Award

To all to whom these Presents shall come:
The Ontario Railway and Municipal Board sends greeting.

The Department of Public Highways of Ontario in the construction of a Provincial Highway through the Township of Saltfleet saw fit to expropriate for highway purposes 3.24 acres of Lot 26 in the Fourth Concession of the said Township of Saltfleet, being the property of Harry B. Smith of Stoney Creek, and the said Highways Department and the said Harry B. Smith being unable to reach an agreement as to the price or compensation to be paid by the said Highways Department for the land so expropriated, and for the damages occasioned thereby, the matter was by the Honourable the Minister of Highways referred to The Ontario Railway and Municipal Board by Reference dated the 17th day of November, 1931.

Pursuant to appointment the full Board sat at the City of Hamilton on Tuesday the 16th day of February, 1932, and heard evidence in support of the said claim, as well as evidence offered by the Highways Department, as to the value of the land expropriated, and arguments by counsel for all parties.

From the evidence submitted it appears that the land in question is but a part of twenty acres of said Lot 26, purchased by Harry B. Smith in 1921 for $11,500.00, or at an average rate of $575.00 per acre for the whole twenty acres so purchased. The twenty acres was used by the said Harry B. Smith as a fruit farm upon which at the time of purchase were planted, and upon which are now planted, many fruit trees of different kinds of fruit such as apples, plums, sweet cherries, sour cherries, etc. It was contended that the 3.24 acres taken by the Highways Department was the best part of the twenty acres owned by Harry B. Smith, and was especially adapted to the growth of sweet cherries, although it does not appear that the whole 3.24 acres were being used for that particular purpose, as in addition to 150 sweet cherry trees there were planted 118 sour cherry trees, 125 pear trees, 21 plum trees, 52 apple trees, in addition to grape vines, all of which are set out in the Claimant's Statement of Claim, and for all of which the Claimant asks damages in addition to the land actually taken.

The construction of the highway at this particular point is on a level with the previous highway for about two-thirds of the distance in front of the Claimant's property where it commences to rise gradually until at the extreme south of the Claimant's property the highway is some twenty feet higher than the former highway, and at that particular point covering one-third of the entrance to the Claimant's property, the elevation of the highway to some extent at least shuts off access to the Claimant's property.

The Claimant also had constructed upon his property a stone shed used by him for the purpose of storing fruit, which he said in evidence would be worth from $400.00 to $500.00. The expropriation of the land for highway purposes made by the Department takes in about two feet of the westerly side of this building; while it may not materially interfere with the Claimant's use of the building it does to a certain extent undoubtedly interfere with the title of the property upon which this particular portion of the building is resting, and for this the Claimant must be compensated.

After taking into consideration the different angles as presented by Counsel for the Claimant and for the Highways Department, this Board makes the following Award:

For 3.24 acres of land expropriated	$3,250.00
10% thereof for forcible taking	325.00
Damages by reason of access to a portion of the property being shut off	600.00
Damages to building	100.00
	$4,275.00

The Highways Department in addition to the payment of the said sum of $4,275.00 shall pay to the Claimant 5% interest thereon from July 6th, 1931, until payment.

In addition thereto the Highways Department shall pay $100.00 to the Claimant for his costs of this Application.

It might here be added that the price for the 3.24 acres of land is fixed at $1,000.00 per acre, and is intended to cover not only the price of the land itself, but the price of the trees growing thereon, so that the total Award this Board sees fit to make in connection with all matters herein submitted to it is $4,275.00, and interest thereon at 5% per annum from the date of expropriation until payment.

In witness whereof the members of The Ontario Railway and Municipal Board have hereto set their hands and have caused to be affixed the seal of the Board this twenty-fifth day of February, A.D. 1932, at the City of Toronto, in the Province of Ontario.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

Procedure File A-3786

Application by the Corporation of the City of Toronto, under subsection (2*b*) of Section 398 of "The Municipal Act," for approval of its By-law No. 13400, amending its Restricted Area By-law No. 12958 in respect of the erection of certain detached duplex dwelling houses on Lot 35 and part Lot 34, Plan 734, Range 3, on Castlefield Avenue.

January 6th. Hearing, 10.30 to 10.40 a.m., at Board's Chambers. Notices not given. Adjourned *sine die* at request of Applicant.

Procedure File A-3787

Application by the Corporation of the City of Toronto, under subsection (2*b*) of Section 398 of "The Municipal Act," for approval of its By-law No. 13412, amending its Restricted Area By-law No. 9411 in so far as it prevents the conversion into a duplex dwelling house of the building at No. 85 Hilton Avenue.

January 6th. Hearing, 10.30 to 10.40 a.m., at Board's Chambers. Notices not given. Adjourned *sine die* at request of Applicant.

Procedure File A-3788

Application by the Corporation of the City of Toronto, under Section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 13407, to impose certain restrictions on a portion of Toronto Island.

January 6th. Hearing, 10.30 to 10.40 A.M., at Board's Chambers. Application granted. (Clerical error in By-law to be corrected (Plan No.)

February 8th. Amending By-law No. 13531 filed.

February 8th. Application granted. By-law 13407 approved as amended.

February 18th. Draft Order filed.

February 18th. Order.

February 8th, 1932.

ORDER

Upon the application of the Corporation of the City of Toronto for approval, pursuant to Section 398, subsection *2b* of "The Municipal Act," being R.S.O., 1927, Chapter 233 of its By-law No. 13407, as amended by its By-law No. 13531, upon hearing what was alleged by Counsel for the Applicant, upon considering the by-laws,

The Board orders, under and in pursuance of the provisions of Section 398 subsection *2b*, of "The Municipal Act," that the said By-law No. 13407, being intituled "No. 13407, a By-law to impose certain residential restrictions on a portion of Toronto Island," as amended by By-law No. 13531, being intituled "No. 13531, a By-law to amend By-law No. 13407 imposing certain residential restrictions on a portion of Toronto Island," and the said By-law No. 13531, be and the same are hereby approved.

(Sgd.) C. R. MCKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3790

BETWEEN:

The London Realty Co., Ltd.,
Appellant,

—and—

The Municipal Corporation of the City of London,
Respondent.

(Assessment Appeal—Hotel London, etc.—$780,000.)

February 15th. Hearing, Council Chamber, City of London, 11.15 A.M. to 4.20 P.M. Assessment reduced by $8,700 (sample room "F" assessed at $7,500 as part of Corridor and $1,200 assessed against B. Favascote portion of corridor), and in all other respects Appeal dismissed.

March 31st. Approved draft Order filed.

April 1st. Order.

May 31st. Appeal dismissed by Appellate Division. (See "Globe," June 1st, 1932, and 41 O.W.N., 203.)

February 12th, 1932.

ORDER

1. Upon the application of the Appellant by way of Appeal from the decision of His Honour Judge Wearing, Senior Judge of the County Court of the County

of Middlesex, rendered on the 16th day of October, 1932, whereby the decision of the Court of Revision for the said Corporation dismissing the Appellant's Appeal was confirmed, in the presence of Counsel for the Appellant and Counsel for the Respondent, upon hearing the evidence adduced on behalf of the Appellant and it appearing that this Appeal is with regard to the assessment made in the year 1930 for the taxes for 1931 as well as the assessment made in 1931 for the taxes of 1932, and this Board being of the opinion that it has no jurisdiction to deal with the appeal so far as it relates to the assessment made in 1930 as the Appeal with regard to this assessment was not heard by the Court of Revision sitting for the year 1930, and the Board being also of the opinion that if it had jurisdiction to hear the said Appeal it would have allowed the same reductions with regard to the said assessment as are allowed by this Order with regard to the assessment for the year 1931, and upon hearing what was alleged by Counsel aforesaid,

2. This Board doth order that the decision of His Honour Judge Wearing be varied as follows:

(1) This Board doth Order that the Appeal so far as the assessment made in the year 1930 for the taxes of the year 1931 be dismissed for want of jurisdiction.

(2) The Board doth further order that the assessment roll of the City of London made in the year 1931 for the taxes for 1932 be amended by striking out the assessments of "Room L," and "The Shoe Shine Stand," and the same are hereby stricken out of the said roll.

(3) This Board doth further order that save as aforesaid the appeal be and the same is hereby dismissed.

3. This Board doth not see fit to make any Order as to costs save that the Appellant do pay the sum of $15.00, being the tariff fee for the Hearing before the Board.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-3800

Application by the City of Toronto, under Section 398, subsection (2*b*), of "The Municipal Act," for approval of its By-law No. 13426, repealing its Restricted Area By-law No. 12958 to permit erection of four dwelling houses on east half of Lot No. 228, Plan M-25, south side of Castlefield Avenue, with lesser area than 2,500 square feet as required by said By-law 12958.

January 6th. Hearing, 10.30 to 10.40 a.m., at Board's Chambers. Notice not given. Adjourned *sine die* at request of Applicant's Solicitor.

October 3rd. Hearing continued, 10.30 to 10.45 a.m. Application granted. Applicant's Solicitor to draft Order.

October 7th. Draft Order filed.

October 8th. Order issued.

October 3rd, 1932.

Order

The application of the Corporation of the City of Toronto, pursuant to Section 398, subsection (2*b*) of "The Municipal Act," being Revised Statutes of Ontario, 1927, Chapter 233, for approval of its By-law Number 13426 having come on this day for Hearing by appointment before this Board, in the presence of Counsel for the Applicant, the Corporation of the City of Toronto, no one appearing for the property owners although duly served with notice of this Hearing as by affidavit filed appears, upon reading the said By-law and the other material filed, and upon hearing what was alleged by Counsel aforesaid, and it appearing that there was no opposition to the application of the said Corporation,

The Board orders, under and in pursuance of Section 398, subsection (2*b*), of "The Municipal Act," being Revised Statutes of Ontario, 1927, Chapter 233, that By-law No. 13426, being intituled "No. 13426. A By-law to repeal By-law 12958 in so far as it prevents the erection of four dwelling houses on the east half of Lot No. 228, Plan M-25, south side of Castlefield Avenue, with a lesser area than 2,500 square feet as required by the said "By-law," be and the same is hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3802

Between:

The National Trust Co., Ltd., Elizabeth C. Miln,
C. L. Burton and N. B. McPherson, Trustees of
The Sherbourne House Club Foundation,

Appellants,

—and—

The Corporation of the City of Toronto,

Respondent.

(Assessment Appeal re No. 439 Sherbourne Street, Toronto.)

January 4th. Judgment delivered. Appeal dismissed (with costs).
January 16th. Notice of Appeal filed.
January 26th. Approved draft Order filed.
January 26th. Order issued.
May 23rd. Appeal dismissed by Appellate Division. See "Globe," 24th May, 1932, and O.W.N., Vol. 41, p. 196, June 3rd, 1932.

Judgment

This is an appeal from the decision of His Honour, Judge Denton, delivered orally on the 6th of November, 1931, wherein the said learned Judge after giving his reasons for judgment dismissed the appeal of the Sherbourne House Club Foundation from the decision of the Court of Revision for the City of Toronto, the said learned Judge holding that under "The Assessment Act" the said property of the Sherbourne House Club Foundation was properly assessable, and could not be held as exempt from taxation under Section 4, subsection (9), of "The Assessment Act."

The appeal from this decision was heard by The Ontario Railway and Municipal Board at its Chambers in Toronto, on Tuesday the 29th day of December, 1931, by the full Board.

There was filed with the Board the Trust Agreement setting out the very laudable contribution made by Mr. Harris H. Fudger for the purpose, as set out in such Trust Agreement, of establishing a residence for the benefit of self-supporting women in the City of Toronto; also the deed of the property from the said Harris H. Fudger, his wife Hannah Fudger to bar dower, to Harris H. Fudger, Elizabeth C. Fudger, Norman B. McPherson, and the National Trust Company, Limited, which said Trust Deed is to be read in conjunction with the Trust Agreement above referred to, and is to enable the Trustees therein mentioned properly to carry out the terms of said Trust Agreement, which contemplates among other provisions the payment of taxes, which said payment has heretofore been made.

In addition thereto there has been filed the extended report of the judgment of His Honour Judge Denton in dismissing the appeal to him from the Court of Revision, and of the reasons set out by His Honour in arriving at this conclusion.

This Board agrees with the reasons assigned by His Honour Judge Denton in arriving at the conclusion that the said property known as the Sherbourne House Club property is assessable.

The case referred to by Counsel both for the Appellants and the Respondents, namely, the Town of Capreol and the Canadian National Railway Company, 56 O.L.R., page 62, appears to be very much in line with the case now under consideration. Following the conclusions arrived at in that case this Board cannot feel that the Sherbourne House Club property is such a property as comes under the words "other charitable institution conducted on philanthropic principles, and not for the purpose of profit or gain."

For the reasons set out by His Honour Judge Denton in the delivering of his judgment, with which this Board concurs, and in keeping with the decision in the Town of Capreol and the Canadian National Railway Company, this Board is of the opinion that the present appeal must be dismissed, and with costs.

Dated at Toronto this fourth day of January, 1932.

(Sgd.) C. R. McKeown,
Chairman.

We agree:

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

January 4th, 1932.

Order

Upon the application of the Appellants by way of an appeal from the Judgment of His Honour Judge Denton delivered orally on the 6th day of November, 1931, and upon hearing the evidence adduced and the material filed, and upon hearing Counsel for the Appellants and Respondent,

The Board orders that this appeal be and the same is hereby dismissed with costs to be paid by the Appellants to the Respondent after taxation thereof.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

PROCEDURE FILE A-3804

Application by the Corporation of the City of Toronto, under Section 398, subsection (2*b*), of "The Municipal Act," for approval of its By-law No. 13386, amending its By-law No. 9285 to permit the conversion of dwelling house known as No. 332 Spadina Road, into a duplex dwelling.

March 23rd. Hearing, 10.30 to 10.45 A.M. Application granted. Applicant's Solicitor to draft Order; draft to be approved by Mr. Mallon (Solicitor for owners supporting).
April 1st. Draft Order filed.
April 1st. Order issued.

March 23rd, 1932.

ORDER

The application of the Corporation of the City of Toronto, pursuant to Section 398, subsection (2*b*) of "The Municipal Act," being R.S.O., 1927, Chapter 233, and amendments thereto, for approval of its above mentioned By-law Number 13386 having come on for hearing by appointment before this Board this day in the presence of Counsel for the owner of the land immediately affected by the said By-law and for the Applicant, proof having been filed of due giving of notice as required by the statute, and pursuant to the directions of the Board, the Board having heard read the said By-law and the other material filed, and having heard what was alleged by Counsel aforesaid, and it appearing that there was no opposition to the approval of the said By-law,

The Board orders, under and in pursuance of the above mentioned statute that By-law Number 13386 of the Corporation of the City of Toronto, being intituled "A By-law to amend By-law No. 9285 in so far as it prevents the conversion into a duplex dwelling house of the building known as No. 332 Spadina Road," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3804a

Application by the Corporation of the City of Toronto, under Section 398, subsection (2*b*), of "The Municipal Act," for approval of its By-law No. 13540, amending its By-law No. 9285 to permit the conversion of dwelling house on Lot 99, Plan 930, west side of Spadina Road, into a duplex dwelling.

March 23rd. Hearing, 10.30 to 10.45 A.M. Application granted. Applicant's Solicitor to draft Order; draft to be approved by Mr. Mallon (Solicitor for owners supporting).
April 1st. Draft Order filed.
April 1st. Order issued.

March 23rd, 1932.

ORDER

The application of the Corporation of the City of Toronto, pursuant to Section 398, subsection (2*b*), of "The Municipal Act," being R.S.O., 1927, Chapter 233, and amendments thereto, for approval of its above-mentioned By-law Number 13540 having come on for hearing by appointment before this Board this day in the presence of Counsel for the owner of the land immediately affected by the said by-law and for the Applicant, proof having been filed of due service of notices as required by the said statute, and pursuant to the directions of the Board, the Board having heard read the said By-law and the other material filed and having heard what was alleged by Counsel aforesaid, and it appearing that there was no opposition to the approval of the said By-law,

The Board orders under and in pursuance of the above mentioned statute that By-law Number 13540 of the Corporation of the City of Toronto, being intituled "A By-law to repeal By-law No. 9285 in so far as it prevents the erection of a duplex dwelling-house on Lot 99, Plan 930, on the west side of Spadina Road," be and the same is hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3850

Between:

The Corporation of the City of Toronto,
Appellant,

—and—

The Guardian Realty Company of Canada, Limited,
Respondent.

(Assessment Appeal—Land and Buildings, $1,593,500.)

February 15th. Hearing, 10.30 a.m. to 3.45 p.m., at Board's Chambers. Appeal dismissed (see Reporter's Notes).

Procedure File A-3850a

Between:

The Guardian Realty Company of Canada, Limited,
Appellant.

—and—

The Corporation of the City of Toronto,
Respondent.

(Assessment Appeal—Land and Buildings, $1,593,500.)

February 15th. Hearing, 10.30 a.m., at Board's Chambers. Appeal abandoned by Mr. Agar in view of pending revision of assessments (see Reporter's Notes). Formal Order to be "Appeal dismissed".

Procedure File A-3856

Application by the City of Ottawa under Section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 7275, north side of Linden Terrace, to detached private dwellings.

January 22nd. Hearing, 10 to 10.15 A.M., Court House, Ottawa. (Mr. Commissioner Ellis authorized under Section 8, Chapter 225, R.S.O., 1927.) Report: "There being no opposition I recommend that By-law be approved."

January 26th. Report adopted.

January 26th. Draft Order filed.

January 26th. Order issued.

January 22nd, 1932.

ORDER

The application of the Corporation of the City of Ottawa, under Section 398 of "The Municipal Act," for approval of its By-law Number 7275, being "A By-law of the Corporation of the City of Ottawa for prohibiting the use of land and the erection and use of buildings on land abutting on the north side of Linden Terrace for any purpose other than that of a detached private dwelling," having come on to be heard pursuant to an appointment at the Court House in the City of Ottawa on Friday, the 22nd day of January, A.D. 1932, at the hour of Ten o'clock in the forenoon, before Mr. Commissioner Ellis (duly authorized to hear and report upon the said Application as provided by Section 8 of The Railway and Municipal Board Act), and the said Commissioner having reported to the Board in favour of the approval of the said By-law, and such Report having been made the basis of this Order,

1. The Board doth hereby approve of By-law Number 7275 of the said Corporation entitled "A By-law of the Corporation of the City of Ottawa for prohibiting the use of land and the erection and use of buildings on land abutting on the north side of Linden Terrace for any purpose other than that of a detached private dwelling."

2. The Board doth further order and direct that the said Corporation do affix to this Order Law Stamps to the value of $15.00, as representing the tariff fee of the Board upon the said Hearing.

(Sgd.) C. R. MCKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3860

Application by the City of Toronto, under Section 398, subsection (2*b*), of "The Municipal Act," for approval of its By-law No. 13446, repealing its By-law No. 9188 in so far as it prevents the conversion into a duplex dwelling house of No. 306 St. George Street.

January 26th. Hearing, 10.30 to 10.45 A.M., at Board's Chambers. Application granted. Order not to issue for 10 days. (See Reporter's Notes.) City Solicitor to draft Order.

February 18th. Draft Order filed.

February 18th. Order issued.

February 6th, 1932.

ORDER

The application of the Corporation of the City of Toronto, pursuant to Section 398, subsection (2*b*), of "The Municipal Act," being R.S.O., 1927, Chapter 233, for approval of its above mentioned by-law having come on by appointment for hearing on Tuesday the 26th day of January, A.D. 1932, in the presence of certain property owners affected, proof having been filed of due service of notices pursuant to the aforesaid statute and to the directions of this Board, upon hearing read the material filed and upon hearing what was alleged by all parties present or represented, the Board directing that the Order stand over to be issued this day, and it appearing that there was no opposition to the said application,

The Board orders under and in pursuance of the above mentioned statute that By-law No. 13446 of the Corporation of the City of Toronto, being intituled, "No. 13446. A By-law to repeal By-law No. 9188 in so far as it prevents the conversion into a duplex dwelling house of the building known as No. 306 St. George Street," be and the same is hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3861

In the matter of "The Niagara Parks Act" (R.S.O., 1927, Chapter 81);

And in the matter of the expropriation by the Niagara Parks Commission of a part of Lots Nos. 113 and 114, Registered Plan No. 35, for City of Niagara Falls, County of Welland, Province of Ontario.

Between:

Mimmon Abohbot,
Claimant,

—and—

The Niagara Parks Commission,
Respondent.

January 5th. Reference filed.

April 11th. Hearing, 10.30 a.m. to 3.30 p.m., Council Chamber, Niagara Falls, Ontario. Award reserved.

April 19th. Award issued.

Award

To all to whom these Presents shall come:

The Ontario Municipal Board sends greeting.

For the purpose of widening the highway through the City of Niagara Falls, the Niagara Parks Commission found it desirable to expropriate ten feet across the full width of Lot No. 114, and a small portion of Lot No. 113, Plan No. 35, in the City of Niagara Falls, and under "The Niagara Parks Act," the compensation to be paid therefor was submitted to The Ontario Railway and Municipal Board, now The Ontario Municipal Board.

Under an appointment the full Board attended at Niagara Falls on Monday the 11th day of April, 1932, for the purpose of hearing evidence, and securing such information as the Board considered desirable to determine the amount of compensation so payable as above set out.

The ten feet of land expropriated by the Niagara Parks Commission was across the front of the property in question, and would have been a very valuable part of the land had it deprived the Claimant of a frontage on the highway, but inasmuch as the expropriation was for the purpose of widening the said highway a new frontage was created, and so far as fronting upon the highway is concerned the Claimant herein is in just as good a position as he was before the said expropriation took place.

It therefore becomes necessary that the Board should arrive at a fair valuation of the land itself apart from the fact of its being that part of the land fronting upon the highway. There was considerable evidence as to the value of the whole of the land, but the evidence both of the Claimant and of the Respondent rather established the value of the land in question at $22,500.00. The land, if taken from the front of the lot and placed in the rear as suggested by the Solicitor for the Respondent, would have a frontage of ten feet on Newman Hill Street, and would be worth $100.00 a foot or $1,000.00, according to the admission of Counsel for the Respondent.

The Board is of the opinion that it would hardly be fair to the Claimant to take ten feet of his property from the front of the land and give it that value which would be the least that could be given to any part of his land, and although it does not deprive the Claimant of a frontage on the River Road, yet this Board is inclined to give to the ten feet expropriated a valuation of $150.00 a foot or $1,500.00.

On the northerly part of Lot No. 114 there is now erected a frame store and dwelling-house, and the expropriation above referred to must take away from that building thirteen feet of its present front, or have the building removed thirteen feet north-westerly on the said lot. The building itself from the evidence is located some three feet beyond the present street line, and therefore on a part of the property controlled by the Respondent.

It has been argued that by reason of a fire by-law in the City of Niagara Falls this building could not be removed from its present location as above suggested, nor could a new front be built thereon without complying with the fire by-law of the City of Niagara Falls, which would necessitate an expensive structure, and a considerable readjustment of the interior of the building.

By reason of the fact that the building itself is partly located on the Chain Reserve and on the present highway, from which location the Claimant may be ordered to remove it, the said Claimant is not in a position to ask for compensation occasioned by the necessity of erecting a new front to the building.

Therefore the Board is of the opinion that the taking away of the ten feet required for widening purposes would so alter the interior as well as the exterior of the building, and by reason of its age the Board is very doubtful if it would be a good investment to endeavour to repair it after the ten feet had been taken away, and yet feeling that in its present condition it may for some years answer the purpose of the Claimant, a fairly substantial sum should be awarded. This figure the Board has fixed at $1,800.00, making a total award for the land and building as above set out of $3,300.00.

To this amount must be added 10% of $1,500.00 for forcible taking, interest at the rate of 5% per annum on the amount of $3,300.00 from the date of expropriation, namely, the 30th day of October, 1931, until payment, and the sum of $150.00 for costs, which the Board hereby directs shall be paid by the Respondent to the Claimant in full compensation for land and building and damages by reason of the said expropriation.

In witness whereof the members of the Ontario Municipal Board have hereto set their hands and have caused to be affixed the Seal of the Board this nineteenth day of April, A.D. 1932, at the City of Toronto, in the Province of Ontario.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

Procedure File A-3862

In the matter of an assessment of The Bell Telephone Company of Canada, Limited, by the Corporation of the City of Fort William;

And in the matter of an Appeal from the decision of the Junior Judge of the District of Thunder Bay in connection therewith.

Between:

The Bell Telephone Company of Canada, Limited,
Appellant,

—and—

The Corporation of the City of Fort William,
Respondent.

January 5th. Notice of Appeal filed.

January 9th. Corrected Notice of Appeal filed.

March 2nd. Hearing, 10.30 a.m. to 12.15 p.m., at Board's Chambers. Hearing concluded. Judgment reserved.

March 16th. Judgment (dated 11th inst.) delivered. Assessment fixed at $10,684.78.

March 22nd. Notice of Appeal filed.

April 1st. Approved draft Order filed.

April 1st. Order issued.

June 22nd. Appeal allowed with costs throughout. See "Globe," June 23rd, 1932.

Judgment

This Appeal was heard at the Board's Chambers, in the Parliament Buildings, Toronto, on Wednesday the 2nd day of March, 1932, by the full Board.

The Bell Telephone Company of Canada, Limited, having certain long distance lines reaching to the City of Fort William, made arrangements with the Fort William Municipal Telephone System whereby the lines of the Bell Telephone Company of Canada, Limited, were carried through the streets of Fort William to the central office of the Fort William Municipal Telephone System, and there connected with the Fort William Municipal Telephone System switchboard, and all business done over the lines of the Bell Telephone Company, Limited, was by arrangement first entered into with the Fort William Municipal Telephone System, and from their switchboard transmitted over the lines of the Bell Telephone Company, Limited, for which business the Bell Telephone Company, Limited, received for the year 1931 the sum of $17,807.97.

The Fort William Municipal Telephone System, known as the "Fort William System," received for long distance service during the year a total sum of $22,645.00. Out of this sum as a result of some arrangement with a Manitoba Company the Fort William System paid to the Manitoba Company $1,277.82, and retained out of the total gross receipts for long distance $3,559.21 for its own services, paying to the Bell Telephone Company, Limited, the balance of the total gross receipts, namely, $17,807.97, as above mentioned.

The above business originating in Fort William, and for which the Bell Telephone Company, Limited, received the amount stated, must be considered as a business carried on in the City of Fort William by the Appellant, The Bell Telephone Company, Limited, and it was contended at the hearing that to do the business above referred to the Bell Telephone Company, Limited, must first have any one of the following alternatives:

First, an office of their own doing the business entirely over their own wires and by their own officials, in which case there would be no question as to the assessability of the business.

Second, run the wires to the borders of Fort William, allowing the general public to come out of the City for the purpose of doing the business referred to outside of Fort William which, although a possibility, was admitted by Counsel to be impracticable; and

Third, the way in which it appears to have been done by connecting up the wires of the Bell Telephone Company, Limited, with the local Fort William System, and having the business done through that office for the Bell Telephone Company, Limited, thereby saving them the necessity of maintaining an office and the employment of certain officials.

This Board is, therefore, of the opinion that the Bell Telephone Company, Limited, the Appellant, is liable for an assessment in the City of Fort William for the business done there, but only to the extent of the business for which said Appellant received the remuneration, or was entitled to receive the remuneration, namely, $17,807.97.

The said company being liable to be assessed on the basis of 60% of the business done by the company it follows that the amount for which the Bell Telephone Company, Limited, should be assessed in Fort William for business is $10,684.78, being 60% of its gross receipts, and the Board hereby directs that the Appeal of the said Appellant against the decision of His Honour the Junior Judge of the District of Thunder Bay shall be allowed to that extent, and that the Assessment Roll of the City of Fort William be amended accordingly.

There shall be no costs to either party herein save and except the sum of $10.00, the Board's fee for Law Stamp in connection with the Order to be taken out, which sum shall be paid by the Respondents, the Corporation of the City of Fort William.

(Sgd.) C. R. McKeown,
Chairman.

Dated at Toronto
the 11th day of March, 1932.

March 11th, 1932.

Order

Upon the Appeal of The Bell Telephone Company of Canada, Limited, from the decision of His Honour Judge McKay, Junior Judge of the District of Thunder Bay, given on the 15th day of December, 1931, in the presence of Counsel for the Corporation of the City of Fort William, upon hearing read the proceedings before His Honour Judge McKay and the Exhibits filed, and upon hearing further evidence adduced, and upon hearing what was alleged by Counsel for the Appellant and for the Respondent, the Board was pleased to direct that the Appeal stand over for judgment and the same coming on this day for judgment,

1. It is ordered that the decision or judgment of His Honour Judge McKay, dated the 15th day of December, 1931, be varied and the said decision or judgment as varied be as follows:

1. It is ordered that under Section 14, subsections 1 and 2, of "The Assessment Act," being Chapter 238, R.S.O., 1927, the Bell Telephone Company of Canada, Limited, should be assessed at and for the sum of $10,684.78 and that the assessment roll of the Corporation of the City of Fort William be amended accordingly.

2. And it is further ordered that there be no costs of this appeal save the sum of $10.00, the Board's fee for Law Stamps, in connection with this Order, which sum is to be paid by the Corporation of the City of Fort William.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

PROCEDURE FILE A-3863

In the matter of "The Consolidated Essex Border Utilities Act, 1929";

And in the matter of the Appeal of the Corporation of the Town of Ojibway in the matter of the Report on a re-apportionment of the cost of the Filtration Plant of The Essex Border Utilities Commission made by J. Clark Keith, Engineer for the said Commission and dated the 18th day of November, 1931, as shown in Table No. 7 of the said Report.

January 5th. Notice of Appeal filed.

January 29th. Hearing, 10 to 11.30 A.M., City Hall, Windsor. Appeal dismissed. Report confirmed. (See Reporter's Notes.)

January 30th. Draft Order filed.

February 1st. Order.

January 29th, 1932.

ORDER

BETWEEN:

The Municipal Corporation of the Town of Ojibway,
Appellant,

—and—

The Essex Border Utilities Commission,
The Municipal Corporation of the Town of Riverside,
The Municipal Corporation of the City of East Windsor,
The Municipal Corporation of the Town of Walkerville,
The Municipal Corporation of the City of Windsor,
The Municipal Corporation of the Town of Sandwich,
The Municipal Corporation of the Town of La Salle,
The Municipal Corporation of the Township of Sandwich East,
The Municipal Corporation of the Township of Sandwich South,
Respondents.

Upon the appeal of the Municipal Corporation of the Town of Ojibway, from the report of J. Clark Keith, Chief Engineer of the Essex Border Commission, dated the 18th day of November, 1931, and proposed By-law Number 85 of the said Essex Border Utilities Commission, reapportioning the capital cost of the said Filtration Plant, pursuant to the said Report amongst the Appellant and Respondent Municipal Corporations, and the matter coming on for Hearing on the 29th day of January, 1932, and after hearing the evidence adduced and in the presence of Counsel for the said Commission, the Towns of Walkerville and Ojibway and the Townships of Sandwich East and of Sandwich West, which last mentioned Township appeared in support of the Appeal,

1. This Board doth order that the Appeal of the Municipal Corporation of the Town of Ojibway be and the same is hereby dismissed, and the apportionment set out in the said Report and proposed By-law is hereby confirmed.

2. This Board doth further order that the Essex Border Utilities Commission do pay the sum of $15.00 for Law Stamps upon this Order, but otherwise the Board makes no order as to costs.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3865

Between:

David Epstein,

Appellant,

—and—

The Assessment Commissioner for the City of Ottawa
and the said City of Ottawa,

Respondents.

(Assessment Appeal—Land and Buildings, $94,000.00.)

January 7th. Notice of Appeal filed.

March 4th. Hearing, 9.30 a.m. to 1 p.m., Court House, Ottawa. Appeal as to assessment of building allowed. Assessment on building fixed at $75,000, making total assessment $82,000.

Procedure File A-3881

In the matter of the Petition of Frances B. McCosh, and others, under Section 8 of "The Local Improvement Act," against the construction of a concrete sidewalk and alteration of water services on Heath Street East, north side, between Cornish Road and Hudson Drive, in the City of Toronto.

January 19th. Petition filed.

February 2nd. Hearing, 10.30 to 11.45 a.m., at Board's Chambers. Adjourned to 10.30 a.m., Tuesday, March 1st, 1932.

March 1st. Hearing continued, 10.30 to 11 a.m. Work not to commence until 1934. Leave reserved to City to make application herein, on reconsideration, to proceed now. Hearing adjourned to 10.30 a.m., Thursday, March 31st, at Board's Chambers (See Reporter's Notes).

March 31st. Hearing continued, 10.30 a.m. No one appeared.

PROCEDURE FILE A-3901

BETWEEN:

Charles H. Thorburn and George F. Abbott,

Appellants.

—and—

The Assessment Commissioner of the City of Ottawa and the said City of Ottawa,

Respondents.

(Assessment Appeal—Land and Buildings, $91,750.00.)

February 4th. Notice of Appeal filed.

March 4th. Hearing, 9.30 A.M.; 3.00 to 3.30 P.M., Court House, Ottawa. Appeal dismissed.

PROCEDURE FILE A-3902

BETWEEN:

R. W. Butterworth and The Royal Trust Company (Executors of the Estate of J. G. Butterworth (deceased),

Appellant,

—and—

The Assessment Commissioner of the City of Ottawa and the said City of Ottawa,

Respondents.

(Assessment Appeal—Land and Buildings, $291,625.00.)

February 4th. Notice of Appeal filed.

March 4th. Hearing, 9.30 A.M.; 1.00 to 3.00 P.M., Court House, Ottawa. Additional assessment for corner property of 25% to be reduced to 15%; otherwise assessment to be confirmed.

PROCEDURE FILE A-3903

BETWEEN:

Alexander McMillan,

Appellant,

—and—

The Assessment Commissioner of the City of Ottawa and the said City of Ottawa,

Respondents.

(Assessment Appeal—Land and Buildings, $101,550.00.)

February 4th. Notice of Appeal filed.

March 4th. Hearing, 9.30 A.M.; 3.00 to 3.30 P.M., Court House, Ottawa. Appeal dismissed.

PROCEDURE FILE A-3904

BETWEEN:

The Canadian Bank of Commerce,

Appellant,

—and—

The Assessment Commissioner of the City of Ottawa and the said City of Ottawa,

Respondents.

(Assessment Appeal—Land and Buildings, $654,375.00.)

February 4th. Notice of Appeal filed.

March 4th. Hearing, 9.30 A.M.; 3.00 to 3.30 P.M., Court House, Ottawa. Appeal dismissed.

PROCEDURE FILE A-3908

Application by the City of Kitchener, under Section 398, subsection (2*b*), of "The Municipal Act," for approval of its By-law No. 2280, amending its Zoning Ordinance By-law 1823 (as amended by By-laws Numbered 1834 and 1835) by the addition of certain district to "C" Business Districts, Section 4.

February 9th. Application and material filed.

February 9th. Appointment for Hearing, 10.15 A.M., City Hall, Kitchener, March 9th, 1932.

March 12th. Affidavit of City Clerk, that no opposition to By-law at Hearing on 9th inst., filed.

March 12th. Application granted. City Solicitor to draft Order.

March 18th. Draft Order filed.

March 18th. Order.

March 9th, 1932.

ORDER

Upon the application of the said Corporation, and upon reading the copy of the said By-law and the other material filed, and the matter having come on this day for Hearing pursuant to appointment at the Council Chamber, in the City of Kitchener, and no one appearing in opposition to the said Application, although notice of the Hearing was duly given as directed by the Board,

The Board orders, under and in pursuance of the provisions of Section 398, subsection (2*b*) of "The Municipal Act," that the said By-law No. 2280, intituled "By-law No. 2280 of the City of Kitchener. A By-law to amend the Zoning Ordinance By-laws," be and the same is hereby approved.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3915

Application by the Toronto Transportation Commission, under Section 257 of "The Railway Act," for approval of the operation of One-Man cars of an approved type, on the Sherbourne Route.

February 10th. Application and material filed.

March 21st. Hearing, pursuant to arrangement, at Board's Chambers, 10.30 to 11.15 A.M. Adjourned to 10.30 A.M., 29th inst. (See Reporter's Notes.)

March 29th. Hearing continued, 10.30 A.M. to 4 P.M. Hearing concluded. Judgment reserved.

April 2nd. Judgment delivered. Application granted.

April 6th. Draft Order filed.

April 6th. Order.

JUDGMENT

This application came up for hearing before the full Board on Monday the 21st day of March, 1932, when Mr. Campbell as Solicitor for the City of Toronto appeared to oppose the application and ask for an adjournment as he was not ready then to go on. The Commission having the management of the system, and the City of Toronto being the owners of the system, it was suggested by the Board that an adjournment for one week or thereabouts should be made, and that in the meantime the owners of the system, that is the City of Toronto, and the Commissioners having charge of the management thereof, should get together and come before the Board with but one opinion in connection with this matter.

The adjourned Hearing took place on Tuesday the 29th of March, 1932, when Mr. Charlesworth appeared for the City of Toronto with instructions from the Board of Control to withdraw any opposition to the proposed application so far as the City of Toronto was concerned. The application was then heard on its merits.

The question of the safety to the general public of a One-Man Car as compared with a Two-Man Car was very fully gone into; the class of service furnished by the different styles of car was also enlarged upon, and it was argued on behalf of the men that it was almost impossible for one man to discharge all the work required by a One-Man Car during certain hours of the day with safety to the public, and with satisfaction to his employers.

As against this argument statistics were filed to show that the accidents occasioned by One-Man Cars were in proportion to their numbers less rather than more than the accidents occasioned by Two-Man Cars. It was further contended by Counsel for the Toronto Transportation Commission that experience had shown that the One-Man Car was quite capable of keeping up as fast a schedule as did the Two-Man Cars, and the traffic was not in any way by the One-Man Car impeded.

The Special Act under which the Toronto Transportation Commission operates empowers the Commission so to run the system as to make it self-sustaining, and by reason of the loss in passenger traffic during the past year or more, and by reason of the almost assured loss in 1932, it was contended by Counsel for the Toronto Transportation Commission that to enable the Commission to carry out the requirements of the Special Act, and thereby make the system self-sustaining, many reductions must be made in the expense of running, and this suggested application is for that purpose, saving as it would to the Toronto Transportation Commission $27,000 annually.

With a strong desire to continue if possible the Two-Man Car system, and with very great reluctance to see any of the employees of the Toronto Transportation Commission either retired or placed on the reserve list the Board still feels that it is its duty to assist The Toronto Transportation Commissioners in their endeavour to make the system self-sustaining, and for the present at any rate grant the application for the establishment of a One-Man Car system on the Sherbourne Street Route.

(Sgd.) C. R. McKEOWN,
Chairman.

Dated at Toronto
the Second day of April, A.D. 1932.

April 2nd, 1932.

ORDER

Upon the application of the Toronto Transportation Commission for approval by the Board of the use by the said Commission of One-Man Cars of an approved type upon Sherbourne Route on week days, made on the 21st day of March, 1932, and the matter having been adjourned until the 29th day of March, 1932, and upon hearing what was alleged by Counsel for the Applicant and the Corporation of the City of Toronto and by representatives of Division 113, Amalgamated Association of Street and Electric Railway Employees of America, and judgment having been reserved upon the said application,

1. This Board doth order and adjudge that the Applicant be permitted to operate One-Man Cars of a type approved by this Board, upon week days, upon the following route known as the Sherbourne Route:

> From Rachael Loop on the west side of North Sherbourne Street; south on Sherbourne Street to King Street; west on King Street to York Street; south on York Street to Front Street; west on Front Street to Simcoe Loop at the south-east corner of Front and Simcoe Streets; looping and returning over the same route to the said Rachael Loop; and during rush hours instead of proceeding to the Rachael Loop, east on Bloor Street and Danforth Avenue to a loop at the south-east corner of Danforth and Coxwell Avenues and return.

2. And this Board further orders and provides that it may at any time or from time to time hereafter rescind, vary, alter or amend this Order, either upon its own motion or at the request or upon the complaint of any Municipal Corporation, Company or person.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3921

In the matter of the Revised Statutes of Ontario, 1927, Chapter 54, and amending Acts;

And in the matter of the Claim of James Joyce for compensation respecting part of Lot No. 295, Plan M-372, Township of North York, expropriated by the Department of Public Highways of the Province of Ontario, as shown on Plan No. 290808, Land Titles Office, City of Toronto.

February 15th. Reference, by the Honourable the Minister of Highways and particulars of Claim filed.

May 9th. Hearing, 10.30 A.M. to 1.45 P.M., at the Board's Chambers. Hearing concluded. Judgment reserved.

June 2nd. Reasons for Judgment delivered.

REASONS FOR JUDGMENT

This Application having come before the Ontario Municipal Board on Monday the 9th day of May, 1932, and the Board having heard the evidence offered by the Claimant, and the evidence offered by the Respondent, the Department of Public Highways of the Province of Ontario, and having examined the various exhibits filed by both parties, and having heard what was alleged by Counsel for the Claimant and the Respondent, finds as follows:

(1) The Department of Public Highways, for the purpose of widening Yonge Street, found it necessary to expropriate that portion of the property belonging to the Claimant, and being a part of Lot No. 295, Plan M-372 for North York, which said part Lot is described as follows:

> Commencing at the intersection of the original easterly limit of Yonge Street by the northerly limit of the southerly 25 feet of said lot; thence northerly along the said limit of Yonge Street 40 feet and six inches, more or less, to the limit between lots numbers 295 and 296 according to said plan; thence easterly along the last mentioned limit 34 feet 3¼ inches, more or less to the point of intersection with a line drawn parallel to the said original easterly limit of Yonge Street and distant 34 feet perpendicular measurement, easterly therefrom; thence southerly along the said parallel line 40 feet and 6¾ inches, more or less, to the said northerly limit of the southerly 25 feet of lot 295; thence westerly along the last-mentioned limit 34 feet 3¼ inches, more or less, to the point of commencement, as shown on plan deposited in the office of Land Titles as Number 290808.

(2) In addition to the value of the land taken the Claimant contended that previous to the taking of the said land, and previous to the taking of a part of Lot No. 296 immediately north of the Claimant's land, he, the said Claimant, had an opportunity of securing a lane or roadway across Lot No. 296 to Spring Garden Avenue, but that subsequent to the said expropriations this concession was denied him by the owner of Lot No. 296, and thereby the said James Joyce, the Claimant herein, was injuriously affected.

(3) Property of the said Claimant is situated almost directly opposite a roadway, and having upon it a store and a barber shop might be considered more of a business property than a residential property, and as such the land may be considered a little more valuable than adjoining property taken by the Department of Public Highways in connection with the said street widening.

The Board is of the opinion that the lane referred to in the Claimant's particulars of Claim never was a right of the Claimant, and cannot now be taken into consideration, and makes no allowance therefor.

For the land actually taken by the Department of Public Highways of the Province of Ontario the said Board allows to the Claimant $300.00, to which must be added 10%, or $30.00, for forcible taking, and interest at the rate of 5% per annum upon the said $300.00 from the date of expropriation, being August 17, 1931, and the Board hereby allows to the said Claimant the sum of $100.00 as his costs, which said several sums shall be paid by the Department of Public Highways of the Province of Ontario to the Claimant in full for every claim that he has for land expropriated as above set out, damages claimed for severance or in any other respect in connection with the said expropriation proceedings and costs.

(Sgd.) C. R. McKeown,
Chairman.

Dated at Toronto
the 2nd day of June, A.D. 1932.

Procedure File A-3925

Application by the Corporation of the City of Toronto, under Section 304 of "The Municipal Act," for validation of its By-law No. 13547 and the debentures thereunder ($330,000.00 for enlarging the Administration Building and Site for the Board of Education).

February 15th. Application and material filed.
February 15th. Order for Short Notice.
February 25th. Hearing, 10.00 to 10.40 a.m., at the Board's Chambers. Application granted.
February 25th. Order.

February 25th, 1932.

Order

Upon the application of the said Corporation, and upon reading the affidavit of James W. Somers, Clerk of the said City, the copy of the said By-law and other material filed, and it appearing that Notice of the Application was given in the manner directed by the Board by publishing such Notice in the "Mail and Empire" newspaper, a daily newspaper published at Toronto, on Tuesday, the 16th day of February, 1932, and Tuesday the 23rd day of February, 1932.

The Board orders, under and in pursuance of the provisions of Section 304 of "The Municipal Act," that the said By-law No. 13547, intituled "No. 13547. A By-law to authorize the issue of debentures to the amount of $330,000.00 to provide for enlarging the administration building and site for the Board of Education," be and the same is hereby approved and validated.

And it is ordered, under and in pursuance of the provisions of "The Municipal Act," that a Certificate granted approving the said By-law of the Corporation of the City of Toronto and declaring the same valid and binding, and that its validity shall not be open to question in any Court, on any ground whatsoever, and that the debentures issued under the authority of and in accordance with the said By-law be also approved, and that the same be certified as provided by the said Act.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-3935

In the matter of Section 77a of "The Highway Improvement Act," and amending Acts.

BETWEEN:

Thomas A. Osborne and Helen Osborne,

Claimants,

—and—

The Department of Highways of Ontario,

Respondent.

February 22nd. Application filed.

April 13th. Hearing, 10.30 A.M. to 3.45 P.M., at the Board's Chambers. Hearing concluded. Judgment reserved.

April 27th. Award issued.

AWARD

TO ALL TO WHOM THESE PRESENTS SHALL COME:

The Ontario Municipal Board sends greeting.

The Department of Public Highways of the Province of Ontario having decided to extend Avenue Road in the City of Toronto beyond the northerly limits of the said City of Toronto to relieve the traffic on Yonge Street, found upon a survey of the property used for the purpose of such extension that in certain places much filling in required to be done, and in others the roadway had to be cut down somewhat below the original surface to make a proper and acceptable grade for highway traffic purposes.

In the said construction work it was found necessary by the Department of Public Highways to lower the highway opposite the southerly thirty feet of Lot No. 103, Plan No. 2371, in the Township of North York, being the property of the Claimants herein, some six feet, so that the level of the highway will hereafter be some six feet lower than the present level of that part of the Claimants' property upon which they have erected a home, and the access to said property from Avenue Road is to that extent interfered with.

The extension of Avenue Road as above mentioned will undoubtedly increase the value of the property bordering on that particular highway very materially, but as that increased value is of a general nature the Claimants herein are entitled to the receipt of any benefit they may gain by such construction, and such benefit cannot be offset as against any special damage their particular property may have sustained. If there is any injury done to the Claimants' property by reason of the lowering of the highway it is because of the interference with their access from Avenue Road to the front part of their property. For residential purposes the land has not been interfered with, and as the Claimants by the erection of their home on this particular part of the lot have selected it for residential purposes and not for business purposes they cannot complain if the surrounding property should be developed as a business locality.

However, the Claimants are entitled to such damages as will compensate them for the interference with the entrance from Avenue Road to their property caused by the lowering of the highway, and as the witness, W. J. Bigham, an experienced contractor, gave evidence to the effect that for $500.00 he would be prepared to lower the lot in question to the level of the highway, and with it lower the house now erected on said lot accordingly for $500.00, thereby placing the Claimants in a position as far as access to their property is concerned quite as good as they enjoyed previous to the work being done upon Avenue Road by the said Department of Public Highways.

The evidence, however, submitted by the Claimants would indicate that a much higher price would be required to lower the lot and the house erected thereon than the above figure. Whether the lot is lowered as above suggested, or so altered as to make a desirable entrance without lowering the whole lot, the Claimants are undoubtedly entitled to some compensation by reason of the altered situation of their property.

The Award of the Board is therefore that the Department of Public Highways of the Province of Ontario shall pay to the Claimants the sum of $700.00 as liquidated damages in connection with their claim, and in addition thereto the sum of $100.00 their costs in connection therewith.

In witness whereof the members of The Ontario Municipal Board have hereto set their hands and have caused to be affixed the seal of the Board this Twenty-seventh day of April, A.D. 1932, at the City of Toronto, in the Province of Ontario.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

(Sgd.) A. B. Ingram,
Vice-Chairman.

(Sgd.) J. A. Ellis,
Commissioner.

PROCEDURE FILE A-3944

In the matter of Bill No. 40 (1932)—"An Act respecting the Town of Perth."

February 25th. Above Bill and Petition therefor referred to the Board for consideration and Report under Rule 72 of the House.

March 9th. Report issued in favour of passing of Bill (without amendment).

PROCEDURE FILE A-3945

In the matter of Bill No. 43 (1932)—"An Act respecting the City of Brantford."

February 25th. Above Bill and Petition therefor referred to the Board for consideration and Report under Rule 72 of the House.

March 9th. Report issued in favour of passing of Bill as amended.

PROCEDURE FILE A-3950

In the matter of the Petition of R. J. Passmore, and others, under Section 8 of "The Local Improvement Act," against the construction of a sewer on Queensdale Street, between Wellington Street and Melville Street, in the City of Hamilton.

February 26th. Application and material filed.

March 1st. Certificate of City Clerk that Petition sufficient and filed in time, filed.

March 30th. Hearing, 10.50 to 11.20 A.M., Council Chamber, Hamilton. Hearing adjourned *sine die*.

PROCEDURE FILE A-3952

In the matter of Bill No. 6 of the Corporation of the City of Guelph;

And in the matter of Reference to this Board under Section 55, Chapter 225, R.S.O., of Section 3, clause (*a*) thereof, authorizing an issue of debentures for $100,000 for waterworks floating debt.

March 1st. Reference by Private Bills Committee.

March 2nd. Report issued in favour of passing of clause (*a*) of Section 3 of the above Bill.

PROCEDURE FILE A-3958

Application by the Township of East York, under Section 398, subsection (2*b*), of "The Municipal Act," for approval of its By-law No. 2370 amending its By-law No. 1243 (and amendments thereto), by adding to Clause 1 (*b*) part of Lot 4, Registered Plan 94, as described in the said By-law.

March 5th. Application and material filed.

April 5th. Hearing, 10.30 A.M.; 10.35 to 10.40 A.M., at the Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

April 11th. Draft Order filed.

April 11th. Order issued.

April 5th, 1932.

ORDER

Upon the application of the said Corporation, and the Board having, pursuant to appointment, on the 5th day of April, A.D. 1932, heard Counsel for the Applicant, and no one appearing in opposition to the said By-law; notice of the appointment having been duly given as directed by the Board, pursuant to clause "E" of paragraph 2 of the said Section 398 of "The Municipal Act," and the Board having granted the application of the said Township,

The Board orders, under and in pursuance of the provisions of Section 398 of "The Municipal Act," that the said By-law No. 2370, intituled "Township of East York By-law No. 2370. To amend By-law No. 1243, and amendments thereto, "Being a By-law for the purpose of dividing the Township into Industrial, Business and Residential Areas, and restricting the users of land and buildings within the defined areas," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3959

Application by the Township of East Flamborough, under Section 398 of "The Municipal Act," for approval of its By-law No. 844, prohibiting the use of land or the erection or use of buildings, except for certain purposes, and for regulating the height, etc., of buildings to be erected or altered within certain defined areas in the said Township.

March 5th. Application and material filed.

March 30th. Hearing, 10.50 A.M.; 11.20 A.M. to 12 MD., at the Council Chamber, Hamilton. By-law to be amended on lines suggested and then forwarded to the Board for approval.

April 5th. Amending By-law No. 845 filed.

April 6th. Application granted. Applicant's Solicitor to draft Order.

June 23rd. Draft Order filed.

June 24th. Order issued.

April 6th, 1932.

ORDER

Upon the application of the Council of the Corporation of the Township of East Flamboro, on the 30th day of March, 1932, under "The Municipal Act," R.S.O., 1927, Section 398, subsection (2), for an Order approving By-law Number 844 of the Corporation of the Township of East Flamboro, and it appearing that Notice of the Hearing of the said Application had been duly given pursuant to the said statute to all owners whose property is affected by the said By-law, and upon hearing read the said By-law, the appointment for hearing, the affidavit of Archibald Mullock, filed, the evidence adduced in support of and against the said application and upon hearing Counsel for the Corporation of the Township of East Flamboro, this Board was pleased to Order that the said By-law be approved subject to certain amendments being made therein as set forth in By-law Number 845 of the said Corporation hereinafter referred to, and was pleased to direct that this application stand over for judgment and approval until such amendments had been made, and the said By-law Number 845 having been passed by the said Corporation embodying the said amendments and a certified copy thereof having been filed with this Board, and the said Application having come on this day for judgment and approval,

It is ordered that By-law Number 844 of the Corporation of the Township of East Flamboro as amended by By-law Number 845 of the Corporation of the Township of East Flamboro, certified copies of which have been filed with this Board, be and the same are hereby approved.

(Sgd.) C. R. MCKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-3961

In the matter of Bill No. 45 (1932), being an Act respecting the Town of Smiths Falls;

And in the matter of Reference to this Board under Section 55 of "The Railway and Municipal Board Act" (Chapter 225, R.S.O., 1927).

March 5th. Reference by Private Bills Committee.

March 9th. Conference: Board reported verbally against the passing of this Bill. New Bill to be introduced.

PROCEDURE FILE A-3962

In the matter of Bill No. 31 (1932), being an Act respecting the Township of East Whitby;

And in the matter of Reference to the Board under Rule 72 of the House.

March 9th. Reference filed.

March 9th. Report in favour of passing of Bill as amended.

PROCEDURE FILE A-3971

Application by the Corporation of the City of Toronto, under subsection (2*b*) of Section 398 of "The Municipal Act," for approval of its By-law No. 13495 (as amended by By-law 13537), repealing By-law 12958 in so far as it prevents the erection of a double duplex dwelling house at the south-east corner of Avenue Road and Glenview Avenue.

March 12th. Application and material filed.

April 5th. Hearing, 10.30 to 10.40 A.M., at Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

April 6th. Draft Order filed.

April 6th. Order issued.

April 5th, 1932.

ORDER

The application of the Corporation of the City of Toronto, pursuant to Section 398, subsection (2*b*) of "The Municipal Act," being R.S.O., 1927, Chapter 233, for approval of its By-law No. 13495, as amended by By-law No. 13537, having come on this day for hearing by appointment before this Board, in the presence of Counsel for the Applicant, no one appearing for the property owners although duly notified according to the directions of this Board as by affidavits filed appears, upon reading the said by-laws and the other material filed, and upon hearing what was alleged by Counsel for the said applicant, and it appearing that there was no opposition to the application,

The Board orders, under and in pursuance of Section 398, subsection (2*b*) of "The Municipal Act," being R.S.O., 1927, Chapter 233, that By-law No. 13495, being intituled "No. 13495. A By-law to repeal By-law 12958 in so far as it prevents the erection of a double duplex dwelling-house at the south-easterly corner of Avenue Road and Glenview Avenue," as amended by By-law No. 13537, being intituled "No. 13537. A By-law to amend By-law No. 13495 respecting the erection of a double duplex dwelling-house at the south-easterly corner of Avenue Road and Glenview Avenue," and the said By-law No. 13537, be and the same are hereby approved.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3973

In the matter of Bill No. 13 (1932), being "An Act respecting the City of Sarnia";

And in the matter of Rule 72 of the House and Reference thereunder.

March 14. Reference filed.

March 14th. Report in favour of passing of Bill (in so far as it relates to the consolidation of floating debt) as amended.

PROCEDURE FILE A-3975

Application by the Town of Leaside, under Section 398 of "The Municipal Act," for approval of its By-law No. 294, relating to building restrictions on Soudan Avenue, between east limit of Bayview Avenue and west limit of Sutherland Drive, and Millwood Road, between west limit of Hanna Road and east limit of Bayview Avenue, to private detached or semi-detached residences.

March 16th. Application and material filed.

April 29th. Hearing, 10.30 to 11 A.M., at Board's Chambers. By-law 294 to be amended re Lots 1, 2, 3, Plan 2121, and Lots 778, 779 and 780, Plan 1908. Hearing adjourned to 10.30 A.M., 11th May, 1932.

May 11th. Hearing continued, 10.30 to 10.40 A.M. Application granted. Applicant's Solicitor to draft Order and submit to Mr. Heighington and Mr. Vickers.

May 23rd. Approved draft Order filed.

May 23rd. Order.

May 11th, 1932.

ORDER

The application of the Corporation of the Town of Leaside, for approval, pursuant to Section 398 of "The Municipal Act," of its By-law Number 294, having come on by appointment for Hearing on the 19th day of April, 1932, before this Board, in the presence of Counsel for the said Corporation and Counsel for a number of property owners affected, proof having been filed of due service of all notices pursuant to said statute and to the directions of the Board given thereunder, and the Hearing having been adjourned to the 11th day of May, 1932, to permit the Council of said Corporation to pass a By-law amending said By-law Number 294 so as to meet the objections raised at said Hearing, and the said Council having passed on the 10th of May, 1932, By-law Number 309 amending said By-law Number 294, and the adjourned Hearing having come on before this Board on the said 11th day of May, 1932, in presence of Counsel for the said Corporation and for a number of property owners affected by said By-laws and upon hearing read the material filed and what was alleged by all persons before the Board, and it appearing that there was finally no opposition to the said application,

The Board orders, under and pursuant to the said statute that By-law Number 294, "Relating to building restrictions on Soudan Avenue and Millwood Road," and By-law Number 309, being intituled "By-law No. 309 Amending By-law No. 294 relating to building restrictions on Soudan Avenue and Millwood Road," be and the same are hereby approved.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3976

Application by the Town of Leaside, under Section 400 of "The Municipal Act," for approval of its By-law No. 298, regulating the weighing of coal and coke.

March 16th. Application and material filed.

April 19th. Hearing, 10.30 A.M.; 11 A.M. to 11.05 A.M. Application granted. Applicant's Solicitor to draft Order.

April 26th. Draft Order filed.

April 27th. Order issued.

April 19th, 1932.

ORDER

Upon the application of the said Corporation, and upon reading the copy of the said By-law and the other material filed, and the Board having this day, pursuant to appointment, heard Counsel for the said Corporation, no one appearing in opposition to the said Application, and Public Notice of the said Appointment for Hearing having been given as directed by the Board,

The Board orders, under and in pursuance of the provisions of subsection (11) of Section 400 of "The Municipal Act," that the said By-law No. 298 of the Corporation of the Town of Leaside, intituled "By-law No. 298. Regulating the weighing of coal and coke," be and the same is hereby approved.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-3980

Application by the City of Toronto, under Section 398 of "The Municipal Act," for approval of its By-law No. 13587, restricting Queen Street (East) from Woodbine Avenue to east City limits, and Kingston Road from Main Street to east City limits.

March 18th. Application and material filed.

April 29th. Hearing, 10.30 A.M.; 11 A.M. to 11.30 A.M., at Board's Chambers. Application adjourned *sine die.* (See Reporter's Notes.)

PROCEDURE FILE A-3980a

Application by the City of Toronto, under Section 398, subsection (2*b*) of "The Municipal Act," for approval of its By-law No. 13587 as amended by By-law No. 13649.

April 26th. Application and material filed.

May 11th. Hearing, 10.30 to 11.25 A.M., at Board's Chambers. Application refused. (See Reporter's Notes.)

May 16th. Draft Order filed.

May 16th. Order.

May 11th, 1932.

ORDER

The application of the Corporation of the City of Toronto, pursuant to subsection 2 (*b*) of Section 398 of "The Municipal Act," being R.S.O., 1927, Chapter 233, for approval of its By-law No. 13587 as amended by its By-law No. 13649 having come on this day for hearing by appointment before this Board, in the presence of Alderman Robert Leslie, Rev. R. J. Cranston, Rev.

E. H. Toye, interested parties, and London Loan Assets, Limited, a property owner affected, upon reading the said By-law and the amending By-law, and the other material filed, and upon hearing what was alleged by Counsel for the Corporation of the City of Toronto and for Brunswick-Balke Collender Company of Canada, Limited, and for London Loan Assets, Limited, and other interested parties in person.

This Board orders that the application of the Corporation of the City of Toronto for the approval of its above recited By-law No. 13587, as amended by By-law No. 13649, be and the same is hereby refused.

And this Board doth further order that the said Corporation of the City of Toronto do pay forthwith to the Board the costs of the application, being $20.00, the Board's tariff fee for Law Stamps on this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-4007

In the matter of the Objection of James K. Pickett, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," against the construction of a five-foot concrete sidewalk on the west side of Yonge Street, between Hogg's Hollow Bridge and Finch's Corners, in Township of North York.

April 8th. Objection filed.

April 27th. Heard with P.F. A-4007a.

May 12th. Heard with P.F. A-4007a.

Procedure File A-4007a

In the matter of the Objection of James Suroff, and others, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," against the construction of a five-foot concrete sidewalk on the west side of Yonge Street, between Hogg's Hollow Bridge (north limit) and north limit of Plan 2057, Township North York.

April 13th. Objection filed.

April 27th. Hearing, 10.30 to 11.10 a.m., at Board's Chambers. Adjourned to 10.30 a.m., 12th May, 1932.

May 12th. Hearing continued, 10.30 to 11 a.m. If Province will pay 40%' and Township 30% Board will order work as Local Improvement. Pending negotiations Hearing adjourned to 15th June, at 10.30 a.m.

June 15th Hearing continued, 10.30 to 11 a.m. Municipality to pay 75% of cost of work; balance by the owners.

Procedure File A-4017

In the matter of Section 77a of "The Highway Improvement Act" (Chapter 54, R.S.O., 1927), and amending Acts;

And in the matter of the widening of Yonge Street in the Township of North York;

And in the matter of the expropriation of certain lands and premises of George T. McNair, being Lot 53 and the southerly 4″ of Lot 52, easterly side of Yonge Street, Plan 2324, and compensation therefor, by Department of Highways of Ontario.

April 15th. Statement of Claim filed.

May 10th. Hearing, 10.30 to 10.40 A.M., at Board's Chambers. Adjourned at request of Counsel to 30th May, at 10.30 A.M.

May 30th. Hearing continued, 10.30 to 10.50 A.M. Counsel report settlement arranged at $163.35 and costs (fixed by the Board at $70.00).

PROCEDURE FILE A-4018

In the matter of Section 77a of "The Highway Improvement Act" (Chapter 54, R.S.O., 1927) and amending Acts;

And in the matter of the Claim of Isaac N. Devins and Lucy A. Devins for compensation for injurious affection of property due to change in level of roadway at the north-west angle of the Toronto–Hamilton Highway and the Humber River, in the Township of Etobicoke, by the Department of Highways of Ontario.

April 15th. Reference filed by Department of Highways.

June 22nd. Hearing, 10.30 A.M. to 3.30 P.M. Hearing adjourned *sine die* at request of Counsel for Claimant, Lucy A. Devins.

November 25th. Hearing continued, 10.30 A.M.; 10.40 to 11.15 A.M. Adjourned *sine die* at request of Counsel.

PROCEDURE FILE A-4021

Application by the City of Niagara Falls, under "The City of Niagara Falls Act, 1932" (Chapter 79, Ontario Statutes, 1932), Section 2, for approval of its By-law No. 2049, licensing, regulating and governing lodging houses and tourist camps and the keepers of same.

April 8th. Application and material filed.

June 14th. Hearing, 10.30 A.M. to 12.10 P.M., Council Chamber, Niagara Falls. By-law approved.

July 8th. Approved draft Order filed.

July 9th. Order issued.

June 14th, 1932.

ORDER

Upon the application of the said Corporation and upon reading the Notice of Application and certified copy of said By-law and other material filed, and upon hearing what was alleged by Counsel for the said Corporation, for those opposing the said Application and for the Hotel Keepers Association and for others supporting the said Application,

The Board orders that the said By-law No. 2049 intituled "By-law No. 2049 for licensing, regulating and governing Lodging Houses and Tourist Camps and the keepers of same" be and the same is hereby approved, under and in pursuance of the provisions of "The City of Niagara Falls Act, 1932."

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-4027

Application by the Town of Smiths Falls, under Section 3, Chapter 90, Ontario Statutes, 1932, being "An Act respecting the Town of Smiths Falls," for approval of proposed Agreement.

BETWEEN:

The Corporation of the Town of Smiths Falls,
of the First Part,
—and—

George Bartlett Frost, representing The Frost Metal Industries, Ltd.,
of the Second Part.

April 20th. Application and copy of proposed Agreement filed.

May 20th. Hearing, 1.45 to 4 P.M., Council Chamber, Smiths Falls. If Parties can get together and arrange a satisfactory agreement, matter will be considered further by the Board. If not the By-law must be submitted to a vote of the electors of the Town entitled to vote on Money By-laws.

PROCEDURE FILE A-4024

Application by the City of Niagara Falls, under Section 3, Chapter 79, Ontario Statutes, 1932, being "An Act respecting the City of Niagara Falls," for approval of its By-law No. 2055, respecting signs, billboards, sign posts, hanging or swinging signs, etc.

April 23rd. Application and material filed.

June 14th. Hearing, 10.30 A.M. to 12.15 P.M., Council Chamber, Niagara Falls. By-law approved.

July 8th. Approved draft Order filed.

July 8th. Order issued.

June 14th, 1932.

ORDER

Upon the application of the said Corporation and upon reading the Notice of Application and certified copy of said By-law and other material filed, and upon hearing what was alleged by Counsel for the said Corporation, for those opposing the said Application and for the Hotel Keepers Association and for others supporting the said Application,

The Board orders that the said By-law No. 2055 intituled "By-law No. 2055. By-law respecting Signs, Bill-boards, Sign Posts, Hanging or Swinging Signs, or any other advertising device purporting to advertise lodging houses or tourist camps or price charged for accommodation therein," be and the same is hereby approved, under and in pursuance of the provisions of "The City of Niagara Falls Act, 1932."

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-4048

In the matter of "The Highway Improvement Act," Revised Statutes of Ontario, 1927, Chapter 54, and amendment thereto, and Statutes of Ontario, 1928, Chapter 18, Section 77a;

And in the matter of the Paris Bridge, Township of South Dumfries, parts of Lots Two and Three, south of Dundas Street, Town of Paris, County of Brant;

And in the matter of the Claim of Evelyn S. Roberts for compensation and damages in respect to the expropriation of the said lands by the said Department.

April 30th. Application filed.
June 7th. Hearing, 10.30 A.M.; 11 A.M. to 3.45 P.M. Judgment reserved.
June 9th. Judgment delivered.

REASONS FOR JUDGMENT

In the construction of a part of King's Highway No. 2 through the Town of Paris, County of Brant, the Department of Public Highways of the Province of Ontario found it necessary to expropriate parts of Lots Two and Three, south of Dundas Street, Town of Paris, of the property belonging to the Claimant, Evelyn S. Roberts. The land actually expropriated consisted of some seven hundred square feet, and in the construction or improvement of the highway at the point immediately opposite the property of the Claimant, a part of which property was expropriated, the roadway was elevated, forming an approach to the bridge across the river. Previous to the construction of the highway as above mentioned the property of the Claimant was almost on a level with the roadway, but now the roadway is at the western end of the said Claimant's property about two feet higher than the property, and at the eastern end about seven feet higher than the land owned by the Claimant.

The property in question is not, and never has been, a valuable property. The buildings are possibly seventy-five or one hundred years old, and are not of a very elaborate nature, so that the damages would not be large under any circumstances.

The land actually taken by way of expropriation was valued by one or two of the witnesses at in or about $15.00, but that no advantage may be taken by the Department of Public Highways, and inasmuch as it was not the desire of the Claimant to part with the land, this Board will allow to the Claimant $35.00 for the land actually taken.

There is some question as to the damage occasioned, and upon this the witnesses do not agree, the witness for the Claimant suggesting that the injury to the property amounts to between $1,500.00 and $2,000.00, while witnesses for the Department of Public Highways express the opinion that no damage whatever has been sustained as the property will rent for just as much to-day as before the expropriation, and that for selling purposes it is just as valuable as it was before the new highway was constructed.

However, an entrance has been taken away from the Claimant, and although another mode of access to the rear of her property has been offered to her by the Department of Public Highways she is not required to accept that method of gaining access to the property.

Some damage undoubtedly has been done, but considering the original value of the property, the use that it has been put to for many years, and the evidence that it is just as desirable for this purpose now as at any time heretofore, the Board cannot see its way clear to allow excessive damages.

The Board's decision, therefore, is that the sum of $250.00 damages shall be allowed to the Claimant, and the sum of $35.00 additional for the price of the land actually taken, making a total sum of $285.00, and to this amount should be added interest at the rate of 5% per annum from the date of expropriation until payment, and that the Claimant shall be allowed in addition thereto her costs of this application fixed at $50.00.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) J. A. Ellis,
Vice-Chairman.

Dated at Toronto
the 9th day of June, 1932.

Procedure File A-4057

In the matter of Section 77a of "The Highway Improvement Act";

And in the matter of the Claim of Edith Stobbs for compensation in respect to the expropriation by the Department of Highways of the Province of Ontario of the easterly Ten (10′) feet of Lot 180, on the west side of Avenue Road, according to Registered Plan No. 1706 in the Township of North York.

May 4th. Application filed.

June 17th. Subpoena issued to J. D. McNish, Claimant's Solicitor.

June 20th. Hearing, 10.30 a.m. to 4.15 p.m. Hearing concluded. Award reserved. Order re Building restrictions to be applied for. (See Reporter's Notes.)

August 29th. Judgment delivered.

September 10th. Approved draft Order filed.

September 12th. Order issued.

Reasons for Judgment

On the 20th day of June, 1932, the application of Edith Stobbs for compensation in respect of the above mentioned property having a frontage on St. Germain Avenue of ten feet, and a depth of approximately one hundred and fifty feet on Avenue Road extended, which said property was by the Department of Highways of the Province of Ontario expropriated for highway purposes, came before The Ontario Municipal Board for consideration.

It appears that on or about the fifth day of October, 1928, the said Edith Stobbs purchased Lot No. 180 on the south side of St. Germain Avenue, according to Registered Plan No. 1706, Township of North York, which said property had a frontage on St. Germain Avenue of fifty feet by a depth of almost one hundred and fifty feet, and which said property was subject to a certain restriction set out in the deed to the said Edith Stobbs, restricting the property to residential purposes only, and directing that no more than two houses shall be erected upon the said land.

By this restriction the property purchased by Edith Stobbs might be used for the purpose of erecting two residences facing upon St. Germain Avenue, each upon a lot having a frontage of twenty-five feet. It was contended by Counsel for the Claimant that the above restrictions could be removed by application to the Court, and realizing that restrictions may be removed either by legislation or otherwise the Board has considered the property both as a business property facing upon Avenue Road, as well as a residential property facing on St. Germain Avenue.

The fifty-foot lot was purchased for $1,600.00, and while the expropriation of ten feet along Avenue Road by the Department of Highways still leaves a frontage of forty feet on St. Germain Avenue, it very materially affects the building of two residences facing upon St. Germain Avenue, and reduces the depth of the property as a business proposition facing on Avenue Road, and the Board is of the opinion that while the actual land taken by the Department of Highways is not half the lot purchased by the Claimant, the effect upon the whole lot is such that the Board has concluded that the Department of Highways should pay to the Claimant almost one-half of the original purchase price of the whole lot, namely, $700.00.

To this amount there should be added 10% for forcible taking, making the total amount coming to the Claimant $770.00, and interest thereon at the rate of 5% per annum from the 26th day of February, 1932, the date of said expropriation.

The Claimant would be entitled to her costs in connection with this application fixed at $50.00. The costs of the Order to be taken out in connection herewith shall be paid in addition thereto by the Department of Highways of the Province of Ontario.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) J. A. Ellis,
Vice-Chairman.

Dated at Toronto
the 29th day of August, 1932.

August 29th, 1932.

ORDER

This Claim having come on for hearing on the 20th day of June, 1932, before this Board at the Sittings thereof holden at the City of Toronto, in the presence of Counsel for all Parties, upon hearing read the pleadings and upon hearing the evidence adduced and what was alleged by Counsel aforesaid, this Board was pleased to direct that this Claim stand over for judgment, and the same coming on this day for judgment,

1. This Board doth order and adjudge that the Claimant do recover from the contestant the sum of Seven Hundred and Seventy Dollars ($770.00), with interest thereon at the rate of five per centum per annum from the date of expropriation, being the 26th day of February, 1932, as compensation for all damages for the lands of the Claimant taken or injuriously affected.

2. And this Board doth further order and adjudge that the Claimant do recover from the contestant her costs of these proceedings before the Board, hereby fixed at the sum of Fifty Dollars ($50.00).

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

PROCEDURE FILE A-4064

In the matter of Section 77a of "The Highway Improvement Act," and amendments;

And in the matter of the Claim of Samuel Cline for compensation in respect to the expropriation by the Department of Highways of part Lots 24 and 25, Concession VIII, Township of Saltfleet, County of Wentworth.

May 7th. Claim filed.

October 20th. Particulars of Claim filed.

November 19th. Reply filed.

December 12th. Hearing, 10 A.M., Court House, Hamilton. Judgment: Department of Highways shall pay Claimant $1,350.00 and interest at 5% thereon from date of expropriation to date of payment, in full of Claim; also costs fixed at $100.00.

PROCEDURE FILE A-4073

In the matter of the Application of the Toronto Transportation Commission, under Section 257 of "The Railway Act," for approval of the operation of One-Man Cars of an approved type upon the Bathurst, Harbord, Bathurst Tripper and College Routes during week days, and upon the following night car routes on week days and Sundays: Bathurst, Beach, Bloor, Carlton, Lake Shore, King and Yonge.

May 9th. Application filed.

May 27th. Hearing, 10.30 A.M. to 5 P.M. Adjourned to 10.30 A.M., May 31st, 1932.

June 16th. Judgment delivered. Application granted.

June 27th. Approved draft Order filed.

June 29th. Order.

RRASONS FOR JUDGMENT

The Corporation of the City of Toronto having become the owners of the Toronto transportation system of street cars, and having by an Act of the Legislature of the Province of Ontario been empowered to place the running and management of the said system in the hands of a certain Commission, which said Commission is supreme in the discharge of its varied duties in respect to said management, save and except that in certain changes or alterations in the conduct of the system in the change of the routes, in the manner of the service to be granted, and in the safety of the public, an appeal shall lie to The Ontario Municipal Board, or rather before such change in operation can by the said Commission be put into effect the endorsation or approval of the said Board is required.

Section 257 of Chapter 224 of the Revised Statutes of Ontario, 1927, enacts as follows:

> "No street railway car or electric railway car, when engaged in carrying passengers, shall be operated with one man performing the duties of both motorman and conductor, without the approval of the Board; and the Board may make orders and regulations in respect of the construction and operation of such cars and may define and limit the routes upon which they may be operated."

It is under the above section that application is made to The Ontario Municipal Board for its approval, and it is contended by Counsel for The Toronto Transportation Commission that the said Commission is not only empowered, but is required to run the system so that it will be self-sustaining, and will not become in any way a burden upon the general taxpayers of the City of Toronto.

In support of the application Counsel for the Toronto Transportation Commission presented considerable evidence as to the possibility of giving to the citizens a first-class transportation service by the use of a One-Man Car, and demonstrated by statistics not only in Toronto, but in many cities of the United States, that the One-Man Car has proven quite as safe in its operation as is the Two-Man Car.

The Commission of the Toronto transportation system apparently realizing that by reason of the diminution in the number of passengers carried by the system during the past year, and in the great loss of passenger traffic estimated for the coming year, some considerable change must be made if the system is to be kept self-sustaining.

While the financial question is probably the basis for the application to this Board, the financial question is not what the Board must first consider. The actual management of the system being by statute placed in the hands of the Commissioners, the evidence having established that a reasonable service can be supplied by the One-Man Car, and there having been furnished no evidence which would warrant the Board in concluding that the One-Man Car is not as safe in operation as the Two-Man Car, no evidence whatever having been offered by those opposing the application, the Board cannot see any reason why the application made should not be granted, and therefore directs that One-Man Cars may be operated upon the routes set out in the application, commencing as follows:

Night cars commencing on the 1st of July, 1932.
Harbord Street Cars commencing on the 1st September, 1932.
Bathurst Street Cars commencing on the 1st October, 1932.
Bathurst Tripper commencing on the 9th September, 1932.
College Route Cars commencing on the 1st November, 1932, and certain Spare Cars commencing on the 15th November, 1932.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) J. A. Ellis,
Vice-Chairman.

Dated at Toronto
the 16th day of June, 1932.

June 16th, 1932.

ORDER

Upon the application of the Toronto Transportation Commission for approval by the Board of the use by the said Commission of One-Man Cars of an approved type upon the Bathurst, Harbord, Bathurst Tripper and College Routes during week days, and upon the following night car routes on week days and Sundays: Bathurst, Beach, Bloor, Carlton, Lake Shore, King and Yonge, made on the 27th and 31st days of May, and the 1st day of June, 1932, and upon hearing what was alleged by Counsel for the Applicant and by representatives of Division 113, Amalgamated Association of Street and Electric Railway Employees of America, and judgment having been reserved upon the said application,

1. This Board doth order and adjudge that the Applicant be permitted to operate One-Man cars of a type approved by this Board, upon week days, upon the following routes:

Bathurst, from and after October 1st, 1932,
Harbord, from and after September 1st, 1932,
Bathurst Tripper, from and after September 9th, 1932,
College, from and after November 1st, 1932;

and upon the following night car routes on week days and Sundays, from and after July 1st, 1932:

Bathurst, Beach, Bloor, Carlton, Lake Shore, King and Yonge.

2. And this Board further orders and provides that it may, at any time, or from time to time, hereafter rescind, vary, alter or amend this Order, either upon its own motion or at the request or upon the complaint of any Municipal Corporation, Company or Person.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-4075

In the matter of Section 77a of "The Highway Improvement Act," and amendments;

And in the matter of the Claim of Joseph Carton, for compensation in respect to the expropriation by the Department of Highways of the northerly 120 feet of Lot 114, on the west side of Avenue Road (Plan 1706) in the Township of North York.

May 10th. Claim filed.

June 20th. Hearing, 10.30 a.m. to 3 p.m. Claim settled. Department of Highways to grant equal area of land to Claimant and payment of $75.00 for costs (fixed by the Board).

Procedure File A-4093

Application by the Township of York, under Section 11 of "The Township of York Act, 1931," for approval of its By-law No. 11187, prescribing building line on lands fronting or abutting on a portion of Weston Road (those portions less than 66 feet in width extending from southeast limit of Lot 7, westerly to the northwest limit of Lot 1, Registered Plan 1878).

May 17th. Application and material filed.

June 15th. Hearing, 10.30 a.m.; 11.15 to 11.20 a.m. Application granted. Applicant's Solicitor to draft Order.

June 17th. Draft Order filed.

June 20th. Order issued.

June 15th, 1932.

ORDER

Upon the application of the Corporation of the Township of York, upon reading the Affidavit of John Harvey and other material filed, and upon hearing what was alleged by Counsel for the Applicants, no one appearing to oppose the application,

The Board orders, under and in pursuance of the provisions of Section 11 of the Township of York Act, 1931 (Chapter 134), that the said By-law No. 11187 passed by the Council of the Corporation of the Township of York on the 16th day of May, 1932, be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-4094

Application by the City of Toronto, under Section 398 (*2b*) of "The Municipal Act," for approval of its By-law No. 13670, amending its Restricted Area By-law 11309 to permit the conversion of No. 130 Tyndall Avenue into a duplex dwelling-house.

May 20th. Application and material filed.

June 15th. Hearing, 10.30 A.M.; 11 to 11.15 A.M. Application granted. Applicant's Solicitor to draft Order.

June 17th. Draft Order filed.

June 19th. Order issued.

June 15th, 1932.

ORDER

The application of the Corporation of the City of Toronto, pursuant to Section 398, subsection (*2b*) of "The Municipal Act," being R.S.O., 1927, Chapter 233, for approval of its By-law No. 13670, having come on this day for hearing by appointment before this Board, in the presence of certain property owners affected, upon reading the said By-law and the other material filed, and upon hearing what was alleged by all parties present or represented before the Board,

The Board orders, under and in pursuance of Section 398, subsection (*2b*) of "The Municipal Act," being R.S.O., 1927, Chapter 233, that By-law No. 13670, being intituled "No. 13670. A By-law to repeal By-law No. 11309 in so far as it prevents the conversion of No. 130 Tyndall Avenue into a duplex dwelling-house," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-4095

In the matter of the application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2, Chapter 30, Ontario Statutes, 1932, for approval of the undertaking of certain

Local Improvement Works, set forth in Local Improvement Reports dated the 21st April, May 6th and 18th, 1932;

And in the matter of objections to certain works therein recited.

May 20th. Appointment for Hearing issued for June 10th, 1932, at 10 A.M., at the Court House, Ottawa.

June 10th. Hearing, pursuant to appointment, 10 A.M. to 12 M., Court House, Ottawa, to consider objections to the following works:

Bronson Avenue —Resurfacing pavement from Somerset Street to Gladstone Avenue;

Somerset Street—Pavement from Bronson Avenue to Booth Street;

Mann Avenue—Resurfacing of pavement from Hurdman's Road to Nicholas Street;

Hurdman's Road—Resurfacing of pavement from Mann Avenue to Hurdman's Bridge.

The Board directed the City shall pay 50% of the entire cost of these works.

Fairmont Avenue, west side—Sidewalk from Gladstone Avenue to Edgar Street;

Patterson Avenue, south side—Sidewalk from O'Connor Street to Allan Place.

These works approved.

Cameron Street, north side—Sidewalk from Bank Street to Willard Avenue;

Sparks Street, north side—Sidewalk from west limit of Lot 13 to a point 44 feet west of west limit of Lot 9;

Second Avenue, north side—Sidewalk from Bank Street to O'Connor Street.

These works disallowed.

Fairmont Avenue, east side—Sidewalk from Gladstone Street to Edgar Street. Work withdrawn.

June 18th. Draft Orders filed re above works (except as to Somerset Street West pavement).

June 23rd. Application for re-hearing of objections to Somerset Street West pavement.

June 24th. Orders (except as to Somerset Street West pavement) issued.

July 19th. Hearing, re Somerset Street work, 11 to 11.15 A.M., Court House, Ottawa. Adjourned for further information to be dealt with when requested by either party.

September 9th. Re Hearing re Somerset Street work, 10 A.M., Court House, Ottawa. 60% of total cost of work to be paid by the City, and 40% by the property owners.

October 4th. Order, re Somerset Street Local Improvement issued in form of draft filed.

June 10th, 1932.

ORDER

Re Bronson Avenue Local Improvement

The Petition of Clifford C. Taggart and others, under Section 8 of "The Local Improvement Act," against the proposed resurfacing with asphalt of the pavement on *Bronson Avenue*, in the City of Ottawa, from Somerset Street to Gladstone Avenue, having come on to be heard pursuant to appointment at a special sittings of the Board held at the City of Ottawa on the Tenth day of June, A.D. 1932, in the presence of the City Engineer and of Counsel for the City Corporation, upon reading the Petition and upon hearing what was alleged by the Petitioners and by the City Engineer and by Counsel aforesaid,

1. The Board approves of the undertaking of the said work and of the passing of the By-law therefor, and orders and directs that Fifty (50) per centum of the total cost of the said Local Improvement pavement (in which percentage shall be included that part of the cost thereof which the said Corporation is by the provisions of "The Local Improvement Act" required to pay) shall be borne and paid by the Corporation of the City of Ottawa and the remaining Fifty (50) per centum of the cost thereof shall be assessed against the abutting properties in accordance with the provisions of "The Local Improvement Act."

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

June 10th, 1932.

ORDER

Re Mann Avenue Local Improvement

The Petition of the Ottawa and New York Railway Company and its Lessee, the New York Central Railroad Company, under Section 8 of "The Local Improvement Act," against the distribution of the cost of the proposed resurfacing with asphalt of the pavement on *Mann Avenue* in the City of Ottawa, from Hurdman's Road to Nicholas Street, having come on to be heard pursuant to appointment at a special sittings of the Board held at the City of Ottawa on Friday the 10th day of June, 1932, in the presence of the Petitioners and of the City Engineer and of Counsel for the Petitioners and for the City Corporation, upon reading the Petition and upon hearing what was alleged by Counsel aforesaid and by the City Engineer,

1. The Board approves of the undertaking of the work and of the passing of the By-law therefor, and orders and directs that Fifty (50) per centum of the total cost of the said Local Improvement pavement (in which percentage shall be included that part of the cost thereof which the said Corporation is by the provisions of "The Local Improvement Act" required to pay) shall be borne and paid by the Corporation of the City of Ottawa, and the remaining Fifty (50) per centum of the cost thereof shall be assessed against the abutting properties in accordance with the provisions of "The Local Improvement Act."

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

June 10th, 1932.

Order

Re Hurdman's Road Local Improvement

The Petition of the Ottawa and New York Railway Company and its Lessee the New York Central Railroad Company, and others, under Section 8 of "The Local Improvement Act," against the distribution of the cost of the proposed resurfacing with asphalt of the pavement on *Hurdman's Road* in the City of Ottawa, from Mann Avenue to Hurdman's Bridge, having come on to be heard, pursuant to appointment, at a special sittings of the Board held at the City of Ottawa on Friday the 10th day of June, A.D. 1932, in the presence of the Petitioners and of the City Engineer and of Counsel for the Petitioners and for the City Corporation, upon reading the Petition and upon hearing what was alleged by Counsel aforesaid and by the City Engineer,

1. The Board approves of the undertaking of the said work and of the passing of the By-law therefor, and orders and directs that Fifty (50) per centum of the total cost of the said Local Improvement pavement (in which percentage shall be included that part of the cost thereof which the said Corporation is by the provisions of "The Local Improvement Act required to pay), shall be borne and paid by the Corporation of the City of Ottawa, and the remaining Fifty (50) per centum of the cost thereof shall be assessed against the abutting properties in accordance with the provisions of "The Local Improvement Act."

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

June 10th, 1932.

Order

Re Fairmont Avenue (west side) Local Improvement

The Petition of E. Lalonde and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a five-foot concrete sidewalk on the *west side of Fairmont Avenue*, in the City of Ottawa, from Edgar Street to Gladstone Avenue, having come on to be heard pursuant to appointment at a special sittings of the Board held at the City of Ottawa on the 10th of June, A.D. 1932, in the presence of the Petitioners and the City Engineer and of Counsel for the City Corporation, upon reading the Petition, and upon hearing what was alleged by the Petitioners and by Counsel aforesaid, and by the City Engineer,

1. The Board orders and directs that the said Petition be dismissed, and that Local Improvement Report Number 613-C of the said Corporation for the undertaking of the said work, and the passing of the By-law therefor, be and the same is hereby approved.

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

June 10th, 1932.

Order

Re Patterson Avenue (south side) Local Improvement

The Petition of R. B. McDougald and J. J. Johnson, under Section 8 of "The Local Improvement Act," against the proposed construction of a five-foot concrete sidewalk on the *south side of Patterson Avenue*, in the City of Ottawa, from O'Connor Street to Allan Place, having come on to be heard pursuant to appointment at a special sittings of the Board held at the City of Ottawa on the Tenth day of June, A.D. 1932, in the presence of the City Engineer and of Counsel for the City Corporation, no one appearing in support of the Petition, and it appearing to the satisfaction of the Board that notice of the said appointment had been served upon the Petitioners in accordance with the requirements of the Board, upon reading the Petition and upon hearing what was alleged by Counsel aforesaid, and by the City Engineer,

1. The Board orders and directs that the said Petition be dismissed and that Local Improvement Report Number 620-C of the said Corporation for the undertaking of the said work, and the passing of the By-law therefor, be and the same is hereby approved.

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

June 10th, 1932.

Order

Re Cameron Street (north side) Local Improvement

The Petition of David G. Cowan and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a five-foot concrete sidewalk on the *north side of Cameron Street*, in the City of Ottawa, from Bank Street to Willard Avenue, having come on to be heard pursuant to appointment at a special sittings of the Board held at the City of Ottawa on the 10th day of June, A.D. 1932, in the presence of the Petitioners and of the City Engineer and of Counsel for the City Corporation, upon reading the Petition and upon hearing what was alleged by the Petitioners and by Counsel aforesaid, and by the City Engineer,

1. The Board orders and directs that the said Petition be allowed, and that Local Improvement Report Number 622-C of the said Corporation for the undertaking of the said work be, and the same is hereby set aside.

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

June 10th, 1932.

Order

Re Sparks Street (north side) Local Improvement

The Petition of John Raper and others, under Section 8 of "The Local Improvement Act," against the proposed construction of a ten-foot concrete sidewalk on the *north side of Sparks Street* in the City of Ottawa, from the west limit of Lot Number Thirteen (13) to a point forty-four (44) feet west of the west limit of Lot Number Nine (9), having come on to be heard pursuant to appointment at a special sittings of the Board held at the City of Ottawa on the Tenth day of June, A.D. 1932, in the presence of the Petitioners and of the City Engineer and of Counsel for the Petitioners and for the City Corporation, upon reading the Petition and upon hearing what was alleged by Counsel aforesaid, and by the City Engineer,

1. The Board orders and directs that the said Petition be allowed, and that Local Improvement Report Number 615-C of the said Corporation for the undertaking of the said work be, and the same is hereby set aside.

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

June 10th, 1932.

Order

Re Second Avenue (north side) Local Improvement

The Petition of W. H. Lester and others under Section 8 of "The Local Improvement Act," against the proposed construction of a five-foot concrete sidewalk on the *north side of Second Avenue* in the City of Ottawa, from Bank Street to O'Connor Street, having come on to be heard pursuant to appointment at a special sittings of the Board held at the City of Ottawa on the Tenth day of June, A.D. 1932, in the presence of the Petitioners and of the City Engineer and of Counsel for the Petitioners and for the City Corporation, upon reading the Petition and upon hearing what was alleged by Counsel aforesaid, and by the City Engineer,

1. The Board orders and directs that the said Petition be allowed, and that Local Improvement Report Number 621-C of the said Corporation for the undertaking of the said work be, and the same is hereby set aside.

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

September 9th, 1932.

Order

Re Somerset Street West Local Improvement

The application of the Corporation of the City of Ottawa, under subsection (3) of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for the approval of the Board of the undertaking of the work of constructing a Local Improvement asphalt pavement on *Somerset Street West* from Bronson Avenue to Booth Street in the City of Ottawa as provided by Local Improvement Report Number 627-C of the said Corporation having come on to be heard by the Board at a special sittings thereof held at the City of Ottawa pursuant to appointment on Friday the 10th day of June, A.D. 1932, at the hour of Ten o'clock in the forenoon, whereupon hearing read the said Local Improvement Report and the Notice of Intention to apply to the Board for approval of the said work, which had been published as provided by subsection (3) of Section 8 of "The Local Improvement Act," and upon hearing what was said both in opposition to and in favour of the undertaking of the said work and of the distribution of the cost thereof as set forth in the said Local Improvement Report, and the Board having on that date approved of the undertaking of the said work and of the passing of a By-law therefor and having ordered and directed that Fifty (50) per centum of the total cost of the said Local Improvement pavement should be borne and paid by the said Corporation, and that Fifty (50) per centum of the cost thereof should be assessed against the abutting property, and upon receipt of further objections to the distribution of the cost of the said work and the Board having reconsidered its said Order and having directed that the said application come before it for further hearing, and the Board having issued an appointment for a special sittings to be held at the City of Ottawa on the 15th day of July, 1932, at the hour of Ten o'clock in the forenoon, and the said application having come on to be heard pursuant to the said appointment, and again, pursuant to adjournment, on the 9th day of September, 1932,

1. The Board hereby approves of the said work being undertaken and of the passing of a By-law authorizing the construction of the same.

2. The Board orders and directs that Sixty (60) per centum of the total cost of the said Local Improvement pavement (in which percentage shall be included that part of the cost thereof which the said Corporation is by the provisions of the Local Improvement Act required to pay) shall be borne and paid by the Corporation of the City of Ottawa, and the remaining Forty (40) per centum of the cost thereof shall be assessed against the abutting properties in accordance with the provisions of "The Local Improvement Act."

3. The Board directs that its fee for the said sittings be fixed at the sum of $10.00 to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-4129

Application by the Township of Nelson, under Section 398 of "The Municipal Act," for approval of its By-law No. 939 restricting to detached private residences use of land on Hampton Court and Roseland Crescent.

June 8th. Application and material filed.

June 28th. Hearing, 10.30 to 10.40 a.m., at Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

Procedure File A-4136

Application by the Corporation of the City of Toronto, under subsection (*2b*) of Section 398 of "The Municipal Act," for approval of its By-law No. 13657, repealing its By-law No. 12958 in so far as it prevents the erection of private detached dwelling-house and garage at the southwest corner of Glenview and Coldstream Avenues closer to the street line of Glenview Avenue than the distance of 20 feet fixed by the said By-law.

June 11th. Application and material filed.

June 28th. Hearing, 10.30 to 10.45 a.m. Application granted. Applicant's Solicitor to draft Order.

July 5th. Draft Order filed.

July 6th. Order.

June 28th, 1932.

Order

The application of the Corporation of the City of Toronto, pursuant to Section 398, subsection (*2b*), of "The Municipal Act," being R.S.O., 1927, Chapter 233, for approval of its By-law No. 13657 having come on this day for hearing by appointment before this Board, in the presence of certain property owners affected, upon reading the said By-law and the other material filed, and upon hearing what was alleged by all parties present or represented before the Board, and no one having appeared in opposition to this application,

The Board orders, under and in pursuance of Section 398, subsection (*2b*), of "The Municipal Act," being R.S.O., 1927, Chapter 233, that By-law No. 13657, being intituled "No. 13657. A By-law to repeal By-law No. 12958 in so far as it prevents the erection of a private detached dwelling-house and garage at the south-west corner of Glenview and Coldstream Avenues, closer to the south street line ot Glenview Avenue than the distance of 20 feet fixed by said By-law," be and the same is hereby approved.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

PROCEDURE FILE A-4140

In the matter of the Application of Bert Houle and others, under Section 30 (2) of "The Municipal Act," for separation of the Junior Township of Salter from the Townships of May and Harrow.

June 14th. Petition filed.

July 29th. Objection by J. H. Caldwell, on behalf of Ratepayers, filed.

August 8th. Objection by Wm. S. Shiels, filed.

August 18th. Objection by J. H. Caldwell and others, filed.

September 12th. Petition dismissed.

PROCEDURE FILE A-4160

In the matter of the Application by the Corporation of the City of Toronto, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain local improvement works (Sewers on portions of Duke Street, Richmond Street and Manning Avenue), and the passing of a By-law therefor.

June 9th. Objection by Gelber Investments, Ltd., to Richmond Street Sewer, filed.

June 20th. Objection by Consolidated Press, Ltd., et al., to Richmond Street Sewer, filed.

June 22nd. Application and other material filed by City.

June 24th. Order, approving undertaking of Local Improvements on Duke Street and Manning Avenue.

July 5th. Hearing, 10.30 to 11.20 A.M., re Richmond Street Sewer from Bay Street to York Street. Adjourned *sine die.* Will be heard later on short notice.

June 24th, 1932.

ORDER

Upon the application of the Corporation of the City of Toronto, and it appearing that notice of such application has been given in the manner provided for by said Section 8 of "The Local Improvement Act,"

1. The Board orders, under and in pursuance of the provisions of Section 8 of The Local Improvement Act as re-enacted by Section 2 of The Local Improvement Amendment Act, 1932, that the undertaking of certain local improvement works by the Council of the Corporation of the City of Toronto as follows, namely:

(1) A sewer on Duke Street, from a point at or about 36 feet east of the west street line of Parliament Street to a point at or about the east street line of Berkeley Street;

(2) A sewer on Manning Avenue, from a point at or about 22 feet south of the north street line of Queen Street to 273 feet north, more or less;

be and the same is hereby approved.

2. The Board further orders that the passing of a By-law by the said Council of the Corporation of the City of Toronto authorizing the undertaking of the said works be and the same is hereby approved.

(Sgd.) J. A. ELLIS,
Vice-Chairman.

(Seal)

PROCEDURE FILE A-4162

In the matter of the Application by the City of St. Catharines, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain Local Improvement Works—Sewers on Lisgar and other Streets.

June 21st. Objection of John McDowell and others to Newton Street sewer.

June 22nd. Application and material filed.

June 24th. Objection by N. L. Eberhardt to Bellevue Terrace work filed.

July 19th. Hearing, 10.30 to 11.30 A.M., Council Chamber, St. Catharines. (Vice-Chairman authorized under Section 17 of Chapter 27, O.S., 1932). Recommended that work be approved with the exception of that portion on Newton Street.

July 25th. Order.

July 25th, 1932.

ORDER

Upon the application of the said Corporation and said Application and the certain objections thereto filed with the Board having been heard by the Vice-Chairman, duly authorized under Section 17 of "The Ontario Municipal Board Act, 1932, at the said City of St. Catharines on the 19th day of July, A.D. 1932, upon reading the copy of the Notice of Intention of the Council of the said Corporation dated the 30th day of May, A.D. 1932, and the other material filed and upon hearing what was alleged by the representatives of the said City and the persons objecting to the said work, the Vice-Chairman reported to the Board on the 19th day of July, A.D. 1932, and the said Report having been adopted by the Board on the 25th day of July, A.D. 1932, as the Order of the Board,

The Board orders, under and in pursuance of the provisions of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," that the undertaking by the Corporation of the City of St. Catharines of the tile sewerage system in the Bellvue Terrace District in the said City, as set out in said Notice of Intention and the passing of a By-law therefor, except that part of the said undertaking on Newton Street, be and the same is hereby approved.

And the Board doth further order that the cost of this Application be fixed at $15.00 to be paid in law stamps, to be paid forthwith by the said Corporation and the said sum may be charged to the cost of the undertaking.

(Sgd.) J. A. ELLIS,
(Seal) *Vice-Chairman.*

PROCEDURE FILE A-4163

Application by the Corporation of the City of Ottawa, under subsection (2*b*) of Section 398 of "The Municipal Act," for approval of its By-law No. 7454, amending its By-law No. 5997 to permit the erection of duplex houses (with one entrance) in Area bounded on the west by the easterly limit of Parkdale Avenue, on the north by the Canadian National right-of-way, on the east by a line produced northerly to the Canadian National right-of-way of the easterly limit of Block 29 on Melrose Avenue, and on the south by the northerly limit of Ruskin Avenue, with the exception of the lots within such area fronting on Sherwood Drive.

June 23rd. Application and material filed.

July 15th. Hearing, 11.15 to 11.50 A.M., at Court House, Ottawa. Adjourned *sine die.*

PROCEDURE FILE A-4166

Application by the County of Lambton, under Section 29 of "The Highway Improvement Act," for determination of apportionment of cost of reconstruction of "Shellar Bridge" over what is known as "Whitehead Drain" in the Township of Sombra, on the County Road between the Counties of Kent and Lambton.

June 24th. Application filed.

July 5th. Subpoena issued to Applicant's Solicitor (Mr. Cowan).

July 8th. Hearing, 1.30 to 4 P.M., at Court House, Sarnia. (Vice-Chairman authorized under Section 17, Chapter 27, O.S., 1932).

July 27th. Judgment delivered.

October 28th. Order.

REASONS FOR JUDGMENT

This Application was heard by the Vice-Chairman, authorized under Section 17 of "The Ontario Municipal Board Act, 1932," at the City of Sarnia on the 8th of July, 1932. He has reported the evidence and arguments to the Board.

The matter of the reconstruction of the bridge in question arose out of the passing of a by-law under the Drainage Act by the Township of Sombra (By-law No. 25, 1929), for the repair and improvement of the Whitehead Drain.

The report of the drainage engineer provided that the total to be levied upon the Township of Sombra was $4,799.97, and upon the Township of Chatham, $3,545.03.

The drain runs along a highway on one side, this side being that nearest to the County of Lambton. The highway constitutes a boundary line between the County of Lambton and the County of Kent, and also between the Townships of Sombra and Chatham. There is a side road between Concessions Five and Six, which crosses the highway along which the drain runs. At this point there was formerly a wooden bridge crossing the drain. The drainage engineer's report stated that it would be necessary to remove this bridge for the purpose of excavating the drain to its required dimensions.

The bridge was taken down, and then it was found that it was not possible to reconstruct it with the materials which had been in it because its timbers were so decayed that they could not be used again. It was therefore decided that a new concrete bridge should be built at an estimated cost of about $3,000.00.

A preliminary objection was raised, namely, that this was not a case which came under the provisions of Section 29 of "The Highway Improvement Act," and that therefore the Board had no jurisdiction in the matter. Section 29 refers to a bridge "crossing or forming a boundary line between counties." The proposed bridge does not cross a boundary line, but in the opinion of the Board it does form part of a boundary line between counties. The preliminary objection therefore fails.

From a plan prepared by Mr. McGeorge and filed by the County of Kent and the Township of Chatham it appears that the proposed bridge would be almost entirely on the sixty-six foot highway. Mr. McGeorge stated in his evidence that he did not know whether or not the south line fence on the highway from which he measured was in its proper position. It would therefore appear that the absolute accuracy of the plan with regard to whether the entire proposed bridge would be upon the highway is not quite certain, but there is no doubt that it would in any event be almost entirely so.

Under all the circumstances the Board thinks that the proper Order to make is that the County of Lambton pay one-half of the cost of the proposed new bridge, and that the County of Kent and the Township of Chatham or one of them pay the other half.

The County of Lambton by By-law No. 254 passed on the 9th of June, 1928, has assumed all bridges over twenty feet in span upon roads which are County or Township boundaries. In view of this Counsel for the County of Lambton and for the Township of Sombra agreed that their liability would be borne by the County alone.

Mr. Bell appearing both for the County of Kent and the Township of Chatham said that the question of liability as between the two would have to be argued further, if the Board found that there was any liability on their part. The Board will therefore give an opportunity for further argument if these parties desire it. If they can agree the Board might be advised, and if they cannot agree possibly the contentions of both the County of Kent and the Township of Chatham could be submitted in writing.

(Sgd.) C. R. McKeown,
Chairman.

(Sgd.) J. A. Ellis,
Vice-Chairman.

Dated at Toronto
the Twenty-seventh day of July, 1932.

October 28th, 1932.

Order

Upon the application of the Corporation of the County of Lambton, and the Vice-Chairman of the Board, authorized under Section 17 of "The Ontario Municipal Board Act, 1932," having, pursuant to an appointment at the Court House in the City of Sarnia on the 8th day of July, A.D. 1932, heard Counsel for the Applicant and Counsel for the Township of Sombra, the County of Kent and the Township of Chatham, and proof of service of the notices of the Hearing having been filed; upon the consent of the Applicant, the County of Lambton, the Township of Sombra, the County of Kent and the Township of Chatham, and the Vice-Chairman having reported to the Board,

1. This Board orders that the costs of the reconstruction of the Shellar Bridge on the boundary line between the County of Lambton and the County of Kent, be borne as follows: One-half of the cost by the Municipal Corporation of the County of Lambton and one-half of the cost by the Municipal Corporation of the Township of Chatham.

2. And this Board further orders that the County of Lambton and the Township of Chatham do immediately proceed with the construction of the

Shellar Bridge according to the plans and specifications prepared by George A. McCubbin, Engineer for the County of Lambton and approved by W. G. McGeorge, Engineer for the Township of Chatham, and which are being submitted to the Department of Highways for its approval.

3. And this Board doth further order that the tenders for the construction of the said bridge shall be called for jointly by the Township of Chatham and the County of Lambton and that the construction of the Bridge shall be under the joint supervision of both the Township of Chatham and the County of Lambton.

4. And this Board further orders that each party bear its own costs of the Application.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File 4181

Application by the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain local improvement works and the passing of a By-law (Notice of Intention dated June 23rd, 1932).

July 4th. Notice of Intention filed.

July 4th. Objection by A. L. McLaurin and others, to John Street sidewalk, filed.

July 4th. Objection by W. T. Young and others, to Bullman Street sidewalk, filed.

July 5th. Objection by D. J. McDougald and others, to Sussex Street sidewalk, filed.

July 7th. Objection by Wilfrid Poirier to Dalhousie Street sidewalk, filed.

July 11th. Objection of (Mrs.) Lila Wilson and others, to Wellington Street sidewalk, filed.

July 15th. Hearing, pursuant to appointment, 10 a.m., Court House, Ottawa. The works on John Street, Bullman Street, Sussex Street and Wellington Street were withdrawn. The Objection against the Dalhousie Street sidewalk was dismissed and the work approved.

July 26th. Order, approving undertaking of construction of 5-foot concrete sidewalks on east side of Elgin Street—Frank Street to Gladstone Avenue; west side of Roslyn Avenue—Aylmer Avenue to Driveway; and south side of Templeton Street—Chapel Street to Blackburn Avenue; and the passing of a By-law therefor, issued.

August 25th. Order approving undertaking of construction of sidewalk on west side of Dalhousie Street—St. Andrew Street to Water Street, and the passing of a By-law therefor, issued.

July 26th, 1932.

In the matter of the application, under Section 8 of "The Local Improvement Act", as re-enacted by Section (2) of "The Local Improvement Amendment Act, 1932," for approval of the undertaking by the Corporation of the City of Ottawa, of certain Local Improvement Works, and the passing of a by-law therefor.

ORDER

Upon the application of the said Corporation, and upon reading the copy of the Notice of Intention of the Council of the said Corporation, dated the 23rd day of June, 1932, and the other material filed,

The Board orders, under and in pursuance of the provisions of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," that the undertaking by the Corporation of the City of Ottawa, of the works set forth in Schedule "A" hereto, and the passing of a by-law therefor, be and the same is hereby approved.

(Sgd.) J. A. ELLIS,
Vice-Chairman.

(Seal)

Report No.	Nature of Work	Location	From	To
636-C	5-foot concrete sidewalk	East side of Elgin Street	Frank Street	Gladstone Avenue
637-C	5-foot concrete sidewalk	West side of Roslyn Avenue	Aylmer Avenue	Driveway
638-C	5-foot concrete sidewalk	South side of Templeton Street	Chapel Street	Blackburn Avenue

In the matter of Local Improvement Report Number 641-C of the City of Ottawa providing for the construction of a Local Improvement concrete sidewalk on the west side of Dalhousie Street between St. Andrew and Water Streets.

July 15th, 1932.

ORDER

The Application of the City of Ottawa, under subsection (3) of Section 8 of "The Local Improvement Act" for the approval of the Board to the undertaking of the work of constructing a Local Improvement concrete sidewalk on the west side of Dalhousie Street between St. Andrew and Water Streets in the City of Ottawa, as provided by Local Improvement Report Number 641-C of the said Corporation, having come on to be heard by the Board at a special sittings thereof held pursuant to appointment at the City of Ottawa on Friday the 15th day of July, A.D. 1932, at the hour of Ten o'clock in the forenoon whereupon hearing read the said Local Improvement Report and the Notice of Intention to apply to the Board for approval of the said work which had been published as provided by subsection (3) of Section 8 of "The Local Improvement Act," and upon hearing what was said both in opposition to and in favour of the construction of the said work;

1. The Board doth hereby approve of the said work being undertaken and of the passing of a By-law authorizing the construction of the same.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-4183

Application by the Village of Forest Hill, under Part V of Chapter 27, Ontario Statutes, 1932, for approval of its By-law No. 674, and By-laws Nos. 646 and 657 thereby consolidated ($19,573.75 for Local Improvements—storm and sanitary sewers).

July 6th. Application and material filed. Directions for short notice.

July 13th. Hearing, 10.30 to 11 A.M. Application granted (when By-law 657 has been validated).

July 18th. Order.

July 21st. New Order (and rescinding Order of July 18th, 1932).

July 18th, 1932.

ORDER

Upon the said application and upon reading the copy of the said By-law and the other material filed,

The Board orders, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the said By-law No. 674 consolidating By-laws Nos. 646 and 657, intituled "By-law Number 674. A By-law to consolidate the sums authorized to be borrowed by certain local improvement by-laws into one sum of $19,573.75, and to borrow the same by the issue of debentures therefor," be and the same is hereby approved.

And it is ordered, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the debentures issued under the authority of and in conformity with the said By-law be certified as provided by the said Act.

(Sgd.) J. A. ELLIS,
(Seal) *Vice-Chairman.*

July 21st, 1932.

ORDER

Upon the said application, and upon reading the copy of the said By-laws and the other material filed,

The Board orders, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the said By-law No. 674 intituled "By-law Number 674. A By-law to consolidate the sums authorized to be borrowed by certain local improvement by-laws into one sum of $19,573.75, and to borrow the same by the issue of debentures therefor," and the said By-laws numbered 646 and 657 thereby consolidated, be and the same are hereby approved.

And it is ordered, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the debentures issued under the authority of and in conformity with the said By-laws be certified as provided by the said Act.

And the Board orders that its Order bearing date the 18th day of July, A.D. 1932, approving the said By-law Number 674 be and the same is hereby rescinded.

(Sgd.) J. A. ELLIS,
(Seal) *Vice-Chairman.*

July 18th, 1932.

ORDER

Upon the said application, and upon reading the copy of the said By-law and the other material filed,

The Board orders, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the said By-law No. 657, intituled "By-law Number 657. A By-law to provide for the borrowing of $8,900.00 upon debentures to pay for the construction of certain sewers in the Village of Forest Hill," be and the same is hereby approved.

And it is ordered, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the debentures issued under the authority of and in conformity with the said By-law be certified as provided by the said Act.

(Sgd.) J. A. ELLIS,
(Seal) *Vice-Chairman.*

PROCEDURE FILE A-4183a

Application by the Village of Forest Hill, under Part V of "The Ontario Municipal Board Act, 1932," for approval of its By-law No. 657 ($8,900.00 for local improvements—sewers).

July 13th. Application and material filed.
July 18th. Order.

PROCEDURE FILE A-4186

Application by the Village of Forest Hill, under Part V of Chapter 27, Ontario Statutes, 1932," for approval of its By-law No. 675 ($60,529.75 for local improvement—pavement).

July 7th. Application and material filed.
July 7th. Directions for short notice.
July 13th. Hearing, 10.30 to 11 A.M. Application granted.
July 19th. Order.

July 19th, 1932.

ORDER

Upon the said application and upon reading the copy of the said By-law and the other material filed,

The Board orders, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the said By-law No. 675 intituled "By-law Number 675. A By-law to provide for the borrowing of $60,529.75 upon debentures to pay for the construction of a 54-foot pavement on Eglinton Avenue from Bathurst Street to the east Village limits," be and the same is hereby approved.

And it is ordered, under and in pursuance of the provisions of Part V of "The Ontario Municipal Board Act, 1932," that the debentures issued under the authority of and in conformity with the said By-law be certified as provided by the said Act.

(Sgd.) J. A. ELLIS,
(Seal) *Vice-Chairman.*

PROCEDURE FILE A-4195

Application by the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain Local Improvement works and the passing of a By-law therefor (Notice of Intention published July 6th, 1932).

July 11th. Application filed.

July 11th. Objection by Hugh Carson, to King Edward Avenue sidewalk, filed.

July 15th. Hearing of above Objection, 10.55 to 11 A.M., at the Court House, Ottawa. Work withdrawn.

July 20th. Objection by E. T. Horwood, and others, to Frank Street sidewalk, filed.

July 25th. Objection by W. F. Frazer, and others, to Arlington Avenue sidewalk, filed.

July 25th. Objection by Wm. M. Frazer, and others, to Arlington Avenue sidewalk, filed.

September 9th. Hearing, 10 A.M., Court House, Ottawa. All three works withdrawn.

October 4th. Order, in form of draft filed, issued.

PROCEDURE FILE A-4195
PROCEDURE FILE A-4259
PROCEDURE FILE A-4248

In the matter of the application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for the approval of the undertaking of certain Local Improvement works as set forth in its Notices of Intention dated the 6th and 21st days of July and the 4th day of August, 1932, and the passing of a By-law therefor;

And in the matter of the Objections of William M. Fraser, Nettie and Lila Roe, and others, to the construction of a sidewalk on the north side of Arlington Avenue;

And in the matter of the Objections of W. F. Fraser, and others, to the construction of a certain other sidewalk on the north side of Arlington Avenue;

And in the matter of the Objections of the Bank of Nova Scotia, and others, to the construction of a sidewalk on the north side of Frank Street;

And in the matter of the Objections of the Estate of the late W. J. Baskerville, and others, to the construction of a sidewalk on the north side of Plymouth Avenue (See A-4248);

And in the matter of the Objections of G. M. Wallace, and others, to the construction of a sidewalk on the north side of McLeod Street (See A-4259).

September 9th, 1932.

ORDER

The application of the Corporation of the City of Ottawa, under subsection 3 of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for the approval of the Board of the undertaking of the construction of those certain Local Improvement concrete sidewalks hereinafter set forth having come on to be heard by the Board at a special sittings thereof held pursuant to appointment at the City of Ottawa, on Friday the 9th day of September, A.D. 1932, at the hour of Ten o'clock in the forenoon, whereupon hearing read the said Local Improvement Reports and the Notices of Intention to apply to the Board for approval of the said works which had been published as provided by subsection (3) of Section 8 of "The Local Improvement Act," and upon hearing what was said both in opposition to and in favour of the construction of the said works,

1. The Board orders that the said application be and the same is hereby dismissed and directs that the works set forth in Schedule "A" hereto be not proceeded with by the said Corporation.

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00, to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman

(Seal)

SCHEDULE "A"

Report No.	Nature of Work	Location	From	To
646-C	5-foot concrete sidewalk	North side of Arlington Avenue	A point 12′ west of the east limit of Lot 37	A point 14′ west of the east limit of Lot 40
647-C	5-foot concrete sidewalk	North side of Arlington Avenue	A point 20′ west of the east limit of Lot 41	A point 38′ west of the east limit of Lot 43
649-C	5-foot concrete sidewalk	North side of Frank Street	Elgin Street	A point 184′ east of Metcalfe Street.
651-C	5-foot concrete sidewalk	North side of Plymouth Avenue	LeBreton Street	Booth Street
653-C	5-foot concrete sidewalk	North side of McLeod Street	Lyon Street	A point 85′ east of Bay Street

PROCEDURE FILE A-4208

Application by the Board of Trustees of the Police Village of Warkworth, under Section 515 of "The Municipal Act," as enacted by Section 21, Ontario Statutes, 1932 (Chapter 29), for extension of the boundaries of the said Police Village

July 15th. Application filed.

June 25th. Objection by J. F. Diamond filed.

September 23rd. Hearing, 10.30 A.M. to 12.30 P.M., Court House, Cobourg. Application granted. Extension to take effect as of December 31st, 1932.

November 5th. Approved draft Order filed.

November 5th. Order issued.

September 23rd, 1932.

ORDER

Upon the application of the above-named Petitioners, in the presence of Counsel for the Petitioners and the Reeve of the Township of Percy, upon hearing the evidence adduced on behalf of the Petitioners and the said Township, and upon hearing Counsel for the Applicant and Reeve of the said Township,

The Board orders that the Application of the Petitioners be and the same is hereby granted so that the area of the said Police Village of Warkworth shall be, and the same is hereby increased, by adding to it the adjoining land set out and described in Schedule "A" hereto annexed.

This Order shall take effect upon the Thirty-first day of December, 1932.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

SCHEDULE "A"

POLICE VILLAGE OF WARKWORTH

Proposed Boundaries, 1932

All and singular those certain parcels or tracts of land and premises, situate lying and being in Lots Fifteen, Sixteen and Seventeen, in the Second and Third Concessions of the Township of Percy, in the County of Northumberland, Ontario, and being more particularly described as follows:

Commencing at the southwest corner of lot sixteen in the third concession of the said Township of Percy;

Thence proceeding in a direction of *north sixteen degrees west* along the west limit of the said lot sixteen and across Mill Street, a distance of *five hundred and ninety-nine feet*, more or less, to a point;

Thence proceeding in a direction of *south eighty-nine degrees west*, a distance of *two hundred and eighty-seven feet*, more or less, to a point;

Thence proceeding in a direction of *north twenty-four degrees west* and crossing the extension westerly of Banty Street, a distance of *one hundred and eighty-six feet*, more or less, to a point on the north limit of the said Banty Street;

Thence proceeding in a direction of *south sixty-seven degrees west* along the north limit of the said Banty Street, a distance of *six hundred and fifty-four feet*, more or less, to a point;

Thence proceeding in a direction of *north four degrees east* and crossing the north limit of County Road number twenty-five at a point three hundred and thirty-two decimal six feet, more or less, measured along the said north limit of the said County Road from the west limit of the said lot sixteen in the third concession of the said Township of Percy, a distance of *seventeen hundred and ninety-three feet*, more or less, to a point;

Thence proceeding in a direction of *north seventy-six degrees east*, a distance of *seven hundred and fifty-five feet, more or less*, to a point;

Thence proceeding in a direction of *north sixteen degrees west*, a distance of *four hundred and twenty-two feet*, more or less, to a point;

Thence proceeding in a direction of *north seventy-three degrees east*, a distance of *five hundred and one decimal five feet*, more or less, to a point on the west limit of a travelled road;

Thence proceeding in a direction of *north sixty-six degrees east* across said travelled road, a distance of *forty-four feet*, more or less, to a point on the east limit of said road;

Thence proceeding in a direction of *north seven degrees west* along the east limit of said travelled road, a distance of *three hundred and seventeen feet*, more or less, to a point;

Thence proceeding in a direction of *north eighty degrees east*, a distance of *two hundred and sixty-two feet*, more or less, to a point;

Thence proceeding in a direction of *south twenty-three degrees east* across a travelled road, a distance of *two hundred and ninety-six feet*, more or less, to a point on the south limit of the said travelled road;

Thence proceeding in a direction of *north seventy-seven degrees east* along the south limit of said travelled road, a distance of *two hundred and seventy-three* feet, more or less, to a point;

Thence proceeding in a direction of *north forty-seven degrees east* along the said south limit of the said road, a distance of *two hundred and forty-six feet*, more or less, to a point;

Thence proceeding in a direction of *north twenty-one degrees east* along the south limit of the said travelled road a distance of *two hundred and sixty-six* feet, more or less, to a point on the west limit of lot seventeen, in the third concession of the said Township of Percy;

Thence proceeding in a direction of *south sixteen degrees east* along the west limit of the said lot seventeen, a distance of *thirteen hundred and thirty-three feet*, more or less, to the northwest corner of the Village Park lot;

Thence proceeding in a direction of *north eighty-six degrees east* along the north limit of the said Village Park lot, a distance of *nine hundred and seventy-nine feet*, more or less, to the northeast corner of the said park lot;

Thence proceeding in a direction of *south eight degrees east* along the east limit of the said park lot a distance of *one hundred and ninety-four feet*, more or less, to a point;

Thence proceeding in a direction of *north seventy-seven degrees east* a distance of *one thousand and twenty feet*, more or less, to a point;

Thence proceeding in a direction of *south eight degrees east*, a distance of *one hundred and forty-six feet*, more or less, to a point on the north limit of Church Street;

Thence proceeding in a direction of *south thirteen degrees east*, a distance of *fourteen hundred and forty-four feet*, more or less, to the northeast corner of Village lot number six, according to registered plan number twenty-nine of the Police Village of Warkworth, said corner being also on the south limit of the road allowance between the second and third concessions of the said Township of Percy;

Thence proceeding in a direction of *south sixteen degrees east*, a distance of *one hundred feet*, more or less, to a point;

Thence proceeding in a direction of *south forty-seven degrees west*, a distance of *one hundred and thirty-two feet*, more or less, to a point;

Thence proceeding in a direction of *south seventy-four degrees west*, a distance of *five hundred and twelve feet*, more or less, to a point;

Thence proceeding in a direction of *north twenty-two degrees west*, a distance of *thirty-nine feet*, more or less, to a point;

Thence proceeding in a direction of *south seventy-four degrees west*, a distance of *two hundred and thirty feet*, more or less, to a point on the east limit of County Road number twenty-five;

Thence proceeding in a direction of *north fourteen degrees west* along the east limit of the said County Road, a distance of *one hundred and forty-one feet*, more or less, to the southeast corner of the intersection of the said County Road and the road allowance between the second and third concessions of the said Township of Percy;

Thence proceeding in a direction of *south seventy-four degrees west* along the south limit of the road allowance between the second and third concessions a distance of *three hundred and sixty-one feet*, more or less, to a point;

Thence proceeding in a direction of *south sixteen degrees east*, a distance of *one hundred and fifty-nine feet*, more or less, to a point;

Thence proceeding in a direction of *south fifty degrees west*, a distance of *three hundred and thirty-nine feet*, more or less, to a point;

Thence proceeding in a direction of *north fifteen degrees west*, a distance of *two hundred and sixty-nine feet*, more or less, to a point on the south limit of the said road allowance between the second and third concessions of the said Township of Percy;

Thence proceeding in a direction of *south seventy-four degrees west* along the south limit of the said road allowance, a distance of *seven hundred and seventeen feet*, more or less, to a point;

Thence proceeding in a direction of *south sixteen degrees east*, a distance of *four hundred and ten feet*, more or less, to a point;

Thence proceeding in a direction of *south seventy-four degrees west*, *a* distance of *six hundred and thirty-eight feet*, more or less, to a point;

Thence proceeding in a direction of *north sixteen degrees west*, a distance of *four hundred and seventy-nine feet*, more or less, to a point on the north limit of the said road allowance between the second and third Concessions of the said Township of Percy;

Thence proceeding in a direction of *south seventy-four degrees west* along the said north limit of the said road allowance, a distance of *eight hundred and eighty-two feet*, more or less, to the southwest corner of lot sixteen in the third concession of the said Township of Percy, this being the point of commencement.

The whole containing *two hundred and forty-three and one half acres*, more or less.

Procedure File A-4229

Application by the Corporation of the City of Owen Sound, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the construction of certain Local Improvement work and the passing of a By-law therefor (Notice of Intention dated 8th July, 1932).

July 27th. Application and material filed.

July 27th. Objection by Harry T. Jackson, and others, filed.

August 19th. Hearing, 1.30 P.M., Council Chamber, Owen Sound. (Chairman authorized under Section 17, Chapter 27, Ontario Statutes, 1932). By consent, on suggestion of Board, abutting property owners pay 25% of the cost instead of 51½%, as charged in Notice of Intention; balance of said 51½% to be borne equally by areas benefited now being charged with 13% and 35%.

September 8th. Copy of proposed Construction By-law 627 filed.

September 10th. By-law approved.

September 10th. Order issued.

September 10th, 1932.

ORDER

Upon the application of the said Corporation, and upon reading the copy of the Notice of Intention of the Council of the said Corporation dated the 8th day of July, 1932, the copy of the said By-law No. 625 and the other material filed, and the Chairman of this Board (duly authorized under Section 17 of "The Ontario Municipal Board Act, 1932") having, pursuant to appointment, at the Council Chamber, in the City of Owen Sound, heard all parties interested herein, and upon consideration of the copy of Construction By-law No. 627 of the Corporation of the City of Owen Sound filed this day,

The Board orders, under and in pursuance of the provisions of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," that the said By-law No. 627, intituled "By-law No. 627, City of Owen Sound. A By-law to authorize the construction of combined storm and sanitary sewer as set out herein, as a Local Improvement under the provisions of The Local Improvement Act," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
(Seal) *Chairman.*

PROCEDURE FILE A-4248

In the matter of the application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of the construction of an asphalt pavement on Parent Avenue, from Cathcart Street to Bolton Street, and on the north side of Plymouth Avenue, from LeBreton Street to Booth Street, and the passing of a By-law therefor (Notice of Intention dated July 21st, 1932).

August 17th. Application filed.

Objection filed by W. J. Baskerville Estate to Plymouth Avenue Local Improvement.

Objection filed by Mary O'Rourke to Plymouth Avenue Local Improvement.

Objection filed by Hormides Racine and others to Parent Avenue Local Improvement.

September 9th. Hearing, 10 A.M., Court House, Ottawa. Work on Plymouth Avenue withdrawn.

Re Parent Avenue work—75% of the entire cost to be borne by the City and 25% by the property owners.

October 4th. Order re Parent Avenue work, in form of draft filed, issued.

October 4th. Order re Plymouth Avenue work, in form of draft filed, issued. (See P.F. A-4195).

In the matter of the application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of the construction of an asphalt pavement on Parent Avenue from Cathcart Street to Bolton Street in the City of Ottawa as set forth in its Notice of Intention dated the 21st day of July, 1932, and the passing of a By-law therefor;

And in the matter of the Objections of Hormides Racine and others thereto.

September 9th, 1932.

ORDER

The application of the Corporation of the City of Ottawa, under subsection (3) of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for the approval of the Board for the undertaking of the construction of a Local Improvement asphalt pavement on Parent Avenue, from Cathcart Street to Bolton Street in the City of Ottawa, as provided by Local Improvement Report Number 650-C of the said Corporation having come on to be heard by the Board at a special sittings thereof held at the City of Ottawa, pursuant to appointment, on Friday, the 9th day of September, A.D. 1932, at the hour of Ten o'clock in the forenoon, whereupon hearing read the said Local Improvement Report and the Notice of Intention to apply to the Board for approval of the said work, which had been published as provided by subsection (3) of Section 8 of "The Local Improvement Act," and upon hearing what was said both in opposition to and in favour of the undertaking of the said work and of the distribution of the cost thereof as set forth in the said Local Improvement Report,

1. The Board hereby approves of the said work being undertaken and of the passing of a By-law authorizing the construction of the same.

2. The Board orders and directs that seventy-five (75) per centum of the total cost of the said Local Improvement pavement (in which percentage shall be included that part of the cost thereof which the said Corporation is by the provisions of "The Local Improvement Act" required to pay) shall be borne and paid by the said Corporation, and the remaining twenty-five (25) per centum of the cost thereof shall be assessed against the abutting properties in accordance with the provisions of "The Local Improvement Act."

3. The Board directs that its fee for the said Sittings be fixed at the sum of $10.00 to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-4259

In the matter of the application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain Local Improvement works and the passing of a By-law therefor. (Notice of Intention dated August 4th, 1932).

August 26th. Notice of Intention filed.

Objection to McLeod Street Local Improvement by Elizabeth Higman, George M. Wallace, and others.

Objection to Driveway Local Improvement, by J. H. Neville.

September 10th. Hearing, 10 A.M., Court House, Ottawa. Objection to work on north side of McLeod Street, between Elgin and Metcalfe Streets, dismissed.

Work on McLeod Street, sidewalk from Lyon Street to 85 feet east of Bay Street, withdrawn.

Objection to work on Driveway, from Maclaren Street to Central Avenue, dismissed.

October 4th. Orders, re McLeod Street and Driveway Local Improvements in form of draft filed, issued. (See also P.F. A-4195).

PROCEDURE FILE A-4259
PROCEDURE FILE A-4260

In the matter of the Application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain Local Improvement works as set forth in its Notices of Intention dated the 4th and 17th days of August, 1932, and the passing of a By-law therefor;

And in the matter of the Objection of Elizabeth Higman to the construction of a sidewalk on the north side of McLeod Street between Elgin and Metcalfe Streets;

And in the matter of the Objection of J. J. Neville to the construction of a sidewalk on the Driveway from Maclaren Street to Central Avenue;

And in the matter of the Objection of M. Desilets to the construction of a sidewalk on the north side of St. Andrew Street opposite Lot 29. (P.F. A-4260).

September 9th, 1932.

ORDER

The application of the Corporation of the City of Ottawa under subsection (3) of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for the approval of the Board of the undertaking of the construction of those certain Local Improvement concrete sidewalks hereinafter set forth having come on to be heard by the Board at a special sittings thereof held pursuant to appointment at the City of Ottawa on Friday the 9th day of September, A.D. 1932, at the hour of Ten o'clock in the forenoon, whereupon hearing read the said Local Improvement Reports and the Notices of Intention to apply to the Board for approval of the said works which has been published as provided by subsection (3) of Section 8 of "The Local Improvement Act," and upon hearing what was said both in opposition to and in favour of the construction of the said works,

1. The Board hereby approves of the undertaking of the works set forth in Schedule "A" hereto and the passing of a By-law authorizing the construction of the same.

2. The Board directs that its fee for the said sittings be fixed at the sum of $10.00 to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKEOWN,
Chairman

(Seal)

SCHEDULE "A"

Report No.	Nature of Work	Location	From	To
654-C	5-foot concrete sidewalk	North side of McLeod Street	Metcalfe Street	A point 44′ east of the west limit of Lot 4
656-C	5-foot concrete sidewalk	West side of Driveway	MacLaren Street	Central Avenue
661-C	5-foot concrete sidewalk	North side of St. Andrew Street	A point 28′ west of the east limit of Lot 29	A point 12′ east of the east limit of Lot 29

PROCEDURE FILE A-4260

In the matter of the application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain Local Improvement works and the passing of a By-law therefor (Notice of Intention dated August 17th, 1932).

August 26th. Notice of Intention filed.

Objection by M. Desilets to sidewalk on the north side of St. Andrew Street, opposite Lot 29, filed.

August 31st. Objection by Elizabeth Ardley and others to sidewalk on south side of Broadway Avenue, from Torrington Place to a point 213 feet east thereof, filed.

September 10th. Hearing, 10 A.M., Court House, Ottawa. Objection to work on St. Andrew Street, north side, dismissed.

Re Broadway Avenue work—40% of the cost to be paid by the City and 60% by the property owners.

October 4th. Order re St. Andrew Street Local Improvement, in form of draft filed, issued. (See P.F. A-4259.)

October 4th. Order re Broadway Avenue Local Improvement, in form of draft filed, issued.

In the matter of the application of the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of the construction of a concrete sidewalk on the south side of Broadway Avenue, from Torrington Place to a point 213 feet east of Torrington Place, in the City of Ottawa, as set forth in its Notice of Intention dated the 17th day of August, A.D. 1932, and the passing of a By-law therefor;

And in the matter of the Objections of Mrs. Elizabeth Ardley and others thereto.

September 9th, 1932.

ORDER

The application of the Corporation of the City of Ottawa under subsection (3) of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for the approval of the Board for the undertaking of the construction of a Local Improvement five-foot concrete sidewalk on the south side of Broadway Avenue from Torrington Place to a point 213 feet east of Torrington Place in the City of Ottawa, as provided by Local Improvement Report Number 659-C of the said Corporation having come on to be heard by the Board at a special sittings thereof held at the City of Ottawa, pursuant to appointment, on Friday the 9th day of September, A.D. 1932, at the hour of Ten o'clock in the forenoon, whereupon hearing read the said Local Improvement Report and the Notice of Intention to apply to the Board for approval of the said work, which had been published as provided by subsection (3) of Section 8 of "The Local Improvement Act," and upon hearing what was said both in opposition to and in favour of the undertaking of the said work and of the distribution of the cost thereof as set forth in the said Local Improvement Report,

1. The Board hereby approves of the said work being undertaken and of the passing of a By-law authorizing the construction of the same.

2. The Board orders and directs that Forty (40) per centum of the total cost of the said Local Improvement sidewalk (in which percentage shall be included that part of the cost thereof which the said Corporation is by the provisions of the Local Improvement Act required to pay), shall be borne and paid by the said Corporation, and the remaining Sixty (60) per centum of the cost thereof shall be assessed against the abutting properties in accordance with the provisions of "The Local Improvement Act."

3. The Board directs that its fee for the said sittings be fixed at the sum of $10.00 to be paid by the said Corporation in Law Stamps to be affixed to this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

PROCEDURE FILE A-4266

BETWEEN:

Gordon Brown, *et al*,

Applicants,

—and—

The Noisy River Telephone Company, Limited,

Respondent.

(Application under Section 103 of "The Telephone Act" for an Order requiring the Respondent to reduce its annual charges for service and to abolish the present toll charge between Stayner and Creemore).

August 31st. Application and material filed.

September 16th. Hearing, 10.30 to 11.30 A.M., Court House, Town of Barrie. (Chairman authorized under Section 17, Chapter 17, Ontario Statutes, 1932.)

September 21st. Report of Chairman filed and adopted.

September 21st. Order.

October 18th. Amending Order.

REPORT

The undersigned, having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)
Toronto, September 21st, 1932.

September 21st, 1932.

ORDER

Upon the application of the above-named Applicants, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who, pursuant to appointment, heard the evidence adduced on behalf of all parties, which Report has been adopted as the basis of this Order, Statements of Assets and Liabilities, Receipts and Disbursements, and other material filed,

The Board orders, subject to the several conditions prescribed in this Order, that the Respondent, The Noisy River Telephone Company, Limited, be authorized to make the following charges for telephone service, to take effect as from October 1st, 1932:

For Local Service in the Town of Stayner and Village of Creemore:

Individual Line Service	$1.89 per month, net
2-Party Line Service	1.69 per month, net
4-Party Line Service	1.38 per month, net

For Rural Service:

Party Line Service limited to 3 telephones per circuit	$20.00 per annum, payable half-yearly in advance.
Party Line Service limited to 6 telephones per circuit	$17.00 per annum, payable half-yearly in advance.
Party Line Service with more than 6 telephones per circuit	$14.00 per annum, payable half-yearly in advance.

The foregoing charges for rural service to be subject to a discount of 50 cents on each half-yearly payment if paid on or before January 31st and July 31st in each year.

Wasaga Beach Area:

Party Line Service	$13.00 per annum, net, payable in advance on the 1st day of July in each year.

The Board further orders,

1. That the Respondent shall furnish continuous service on week days, Sundays and holidays throughout the year.

2. That for the purpose of providing a fund to meet the cost of the renewal of its plant and equipment, the Respondent shall on December 31st, 1932, and each year thereafter, set aside out of its earnings a sum equal to not less than

five per cent. of the total value of the plant and equipment used in the Respondent's business on December 31st in each year. The fund so provided shall, unless otherwise authorized by the Board, be applied exclusively to the cost of renewing such portion of the said plant and equipment as may from time to time be rendered necessary by depreciation or obsolescence, and after deducting therefrom such amounts as may have been so expended in any one year the balance remaining shall be deposited in a chartered bank at interest, and the money so deposited may, with the approval of the Board, be invested in interest-bearing securities, and all interest accruing from any portion of the depredation fund so deposited or invested shall from time to time be carried to the credit of the said fund.

3. That the Respondent shall on or before the fifteenth day of January in each year furnish the Board with a Report setting forth:

(*a*) The total amount standing at the credit of the depreciation fund on the First day of January in the preceding year.
(*b*) The amount transferred from revenue to such fund in the year ending December 31st last.
(*c*) The amount expended upon reconstruction and replacements in the year ending December 31st last.
(*d*) The total amount standing at the credit of such fund on December 31st last.
(*e*) The amount of such fund which has been used in the purchase of securities.
(*f*) The names and values of the securities so purchased.
(*g*) A certified statement from the Bank showing the balance standing at the credit of the depreciation reserve on the 31st day of December last.

4. That the Respondent shall keep separate records of all expenditure upon the construction, operation, maintenance and renewal of its plant and equipment, and shall each year furnish its shareholders with an Annual Report and Balance Sheet in the form approved by this Board, as set forth on pages 156 to 159 of "Telephone Systems, 1923," or in such form as may be hereafter prescribed by the Board.

And the Board further orders that the application of the Applicants that the Respondent be required to furnish free interchange of service between its exchanges located in the Town of Stayner and the Village of Creemore, be and the same is hereby dismissed.

And the Board makes no order for costs, save and except that the Respondent shall pay $15.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

October 18th, 1932.

AMENDING ORDER

Upon the application of the above-named Respondent, upon reading the said Application and other material on file,

The Board orders that its Order dated the Twenty-first day of September, A.D. 1932, be and the same is hereby amended by striking out the second paragraph thereof and substituting the following therefor:

The Board orders, subject to the several conditions prescribed in this Order, that the Respondent, The Noisy River Telephone Company, Limited, be authorized to make the following charges for telephone service, to take effect as from October 1st, 1932:

For Local Service in the Town of Stayner and Village of Creemore:

Business Telephones:

Individual Line Service	$2.05 per month, net.
2-Party Line Service	1.85 per month, net.
4-Party Line Service	1.54 per month, net.

Residence Telephones:

Individual Line Service	$1.75 per month, net.
2-Party Line Service	1.50 per month, net.
4-Party Line Service	1.25 per month, net.

For Rural Service:

Party Line Service limited to 3 telephones per circuit	$20.00 per annum, payable half-yearly in advance.
Party Line Service limited to 6 telephones per circuit	$17.00 per annum, payable half-yearly in advance.
Party Line Service with more than 6 telephones per circuit	$14.00 per annum, payable half-yearly in advance.

The foregoing charges for rural service to be subject to a discount of 50 cents on each half-yearly payment if paid on or before January 31st and July 31st in each year.

Wasaga Beach Area:

Party Line Service	$13.00 per annum, net. payable in advance on the 1st day of July in each year.

And the Board makes no Order for costs or for Law Stamp fee in respect of this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-4275

Between:

The Bethesda & Stouffville Telephone Company, Limited,
Applicant,

—and—

The Home Telephone Company, Limited,
Respondent.

(Application under Section 98 of "The Telephone Act" for an Order prescribing the manner of connection between subscribers of the telephone systems of the Applicant and Respondent whose lines terminate in the Village of Claremont.)

September 7th. Application and material filed.
September 26th. Hearing, 10.30 to 11.45 A.M., at the Board's Chambers. (Chairman authorized under Section 17, Chapter 27, Ontario Statutes, 1932.)
October 4th. Report of Chairman filed and adopted. Application dismissed.
October 4th. Order.

REPORT

The undersigned, having heard the evidence of all parties relative to this application, recommends that the annexed Order be adopted as the Order of the Board.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)
Toronto, October 4th, 1932.

I agree:
(Sgd.) J. A. ELLIS,
Vice-Chairman.

BETWEEN:
The Bethesda and Stouffville Telephone Company, Limited,
Applicant.
—and—
The Home Telephone Company, Limited,
Respondent.

(For an Order prescribing the manner in which connection shall be made between those subscribers to the telephone systems of the Applicant and Respondent whose lines terminate in the Village of Claremont.)

October 4th, 1932.

ORDER

Upon the Application of the above-named Applicant, upon reading the Report of C. R. McKeown, Esquire, K.C., Chairman, who pursuant to appointment heard the evidence adduced on behalf of the Applicant and Respondent, which Report has been adopted as the basis of this Order, and other material filed, and upon hearing Counsel for the Respondent.

The Board orders that the application of the Applicant, The Bethesda and Stouffville Telephone Company, Limited, be and the same is hereby dismissed.

The Board further orders that the Respondent, The Home Telephone Company, Limited, be permitted to instal and operate its own switchboard and other Central Exchange equipment in the Village of Claremont, subject to the following conditions:

1. The Respondent shall at its own cost erect the necessary trunk circuits between its Central Office to be located in the Village of Claremont and the Central Office of the Applicant now located in the said Village.

2. There shall be free interchange of service between those subscribers to the telephone systems of the Applicant and Respondent whose telephones are connected upon circuits terminating upon the switchboards of the Applicant and Respondent, respectively, located within the said Village of Claremont.

3. Neither the Applicant nor Respondent shall instal service upon the premises of any person now being furnished with the service of the other party, as the case may be, without the consent of such other party unless ordered so to do by the Board. Provided, however, that this condition shall not apply in the case of any person who desires the service of the Applicant and Respondent to be installed upon the same premises.

4. Neither the Applicant nor the Respondent shall without the consent of the Board extend its lines upon or along or adjacent to any portion of the highway upon or along which the lines of the other party are erected, as the case may be.

And the Board makes no Order for costs, save and except that the Respondent shall pay $15.00 for the Law Stamps required for this Order.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure Files A-4277–8

Between:

The Canadian Land & Immigration Company of Haliburton, Limited,

Appellant,

—and—

The Municipality of the Township of Dysart,

Respondent.

(Assessment Appeal—Land, $392,976.00.)

September 8th. Notice of Appeal and Cross-Appeal filed.

November 16th. Hearing, 10.30 a.m. to 4.45 p.m., at the Board's Chambers. Adjourned to 10.30 a.m., 17th inst.

November 17th. Hearing continued, 10.30 a.m. to 4.30 p.m. Companies Assessment Appeals dismissed. Municipalities Appeal and Cross-Appeal withdrawn. No costs except the Board's tariff fees in Law Stamps.

Procedure File A-4279

Between:

The Municipality of the Township of Dysart,

Appellant,

—and—

The Clyde Land Company, Limited,

Respondent.

(Assessment Appeal—Land, $93,700.00.)

September 8th. Notice of Appeal filed.

November 16th. Hearing—(Heard with P.F. A-4277).

PROCEDURE FILE A-4280

BETWEEN:

The Municipality of the Township of Dysart,
Appellant,

—and—

The Dysart Land Company, Limited,
Respondent.

(Assessment Appeal—Land, $170,916.00.)

September 8th. Notice of Appeal filed.
November 16th. Hearing—(Heard with P.F. A-4277).

PROCEDURE FILE A-4284

In the matter of "The Northern Development Act, 1926," and Amending Acts;

And in the matter of "The Public Works Act";

And in the matter of the Claim of LaRose Rouyn Mines, Limited, for compensation in respect of the expropriation of Lots 73 to 80, in the Town of Cobalt, and parts of Mining Claims J.B. 14 and J.B. 4, in the said Town of Cobalt.

September 10th. Particulars of Claim filed.

September 13th. Hearing, by Consent, 10.30 A.M. to 5 P.M. Adjourned to 10.30 A.M. tomorrow.

September 14th. Hearing continued, 10.30 to 11.45 A.M. Settlement arranged by Counsel. (See Minutes of Settlement filed).

November 1st. Approved draft Order filed.

November 1st. Order issued.

September 14th, 1932.

ORDER

Pursuant to the Minutes of Settlement executed by Henry C. Draper, Solicitor for the Department of Northern Development and by J. A. C. Cameron, K.C., Solicitor for La Rose Rouyn Mines, Limited, and filed with the Secretary of the Ontario Municipal Board, it is ordered that the Department of Northern Development of the Province of Ontario do pay to La Rose Rouyn Mines, Limited, the sum of six thousand, two hundred and seventy dollars ($6,270.00) in full of all claims of La Rose Rouyn Mines, Limited, against His Majesty the King as represented by the Department of Northern Development of the Province of Ontario in respect of matters set forth in the claim of the said Company dated 24th day of August, 1932, and filed with the Secretary of the Ontario Municipal Board.

And it is further ordered that the said Department will pay to the said Company interest at five per cent. (5%) per annum on the said amount of six thousand two hundred and seventy dollars ($6,270.00) from the date of expropriation to the date of payment.

And it is further ordered that there shall be deducted from such payment any amounts heretofore paid by the said Department on account of such claim and interest at five per cent. (5%) per annum on any such amounts from the dates of such payments.

And the Board makes no Order as to costs except that the Department of Northern Development pay Twenty-five dollars ($25.00) for Law Stamps, the Board's tariff fee herein.

(Sgd.) C. R. McKeown,
Chairman.

(Seal)

Procedure File A-4285

Between:

Abraham Levine, Agent for H. W. Petrie,
Appellant,

—and—

The Corporation of the City of Toronto,
Respondent.

(Assessment Appeal—Land and Buildings, $63,185.00.)

September 13th. Notice of Appeal filed.

November 10th. Hearing, 10.30 a.m.; 11.00 a.m. to 1.40 p.m. Adjourned *sine die.*

Procedure File A-4303

Application by the Town of Prescott, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain Local Improvement work (pavement on King Street) and the passing of a By-law therefor.

September 20th. Application and material filed.

September 20th. Objection by George Mason and others.

October 7th. Hearing, 2.30 to 4 p.m., Council Chamber, Prescott. Work approved—Not to be commenced before the 15th April, 1933. Town to pay 80% of what would otherwise be paid by the frontagers.

October 13th. Order issued.

October 7th, 1932.

Order

Upon the application of the said Corporation, and upon reading the copy of the Resolution of the Council of the said Town, dated the 16th day of August, 1932, and the other material filed, and upon consideration of the Objections of Mrs. George Mason and other property owners to the construction of this work, and the Board having, pursuant to appointment, at the Council Chamber, in the Town of Prescott, this day heard representatives for all parties interested.

The Board orders, under and in pursuance of the provisions of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," that the undertaking by the Corporation of the Town of Prescott of the construction of a concrete pavement on King Street in the said Town, from the westerly side of East Street to the westerly limit of the Town, the said concrete pavement to be from sidewalk to sidewalk as far westerly as the westerly side of St. Lawrence Street and 30 feet wide from the westerly side of St. Lawrence Street to the westerly Town limits (all as set forth in the said Resolution of the Council of the Town of Prescott, dated the 16th day of August, 1932, filed), and the passing of a By-law therefor, be and the same are hereby approved, the construction of the said work, however, not to be commenced before the 15th day of April, 1933, and of the cost of which work the Corporation of the Town of Prescott is to pay Eighty per centum (80%) of the amount which would otherwise be paid by the frontagers under the provisions of "The Local Improvement Act."

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-4304

In the matter of "The Power Commission Act," and amendments, and "The Ontario Public Works Act," and amendments;

And in the matter of a Plan and Description registered in the Registry Office for the County of Carleton on July 23rd, 1931, as Number 9533, and a Notice given by the Hydro-Electric Power Commission of Ontario to The Kingdon Mining, Smelting & Manufacturing Company, Limited, under date the 1st day of September, 1931;

And in the matter of the Expropriation of certain lands in the Township of Fitzroy.

September 20th. Notice of Motion for appointment for Hearing: Board to consider jurisdiction.

September 20th. Particulars of Claim filed.

October 4th. Order for Discovery and Production issued to the Hydro-Electric Power Commission.

October 17th. Hearing fixed for to-day adjourned at request of Counsel to to-morrow at 10.30 A.M.

October 18th. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

October 19th. Hearing continued, 10.30 A.M. to 4.20 P.M. Adjourned to to-morrow at 10.30 A.M.

October 20th. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

October 21st. Hearing continued, 10.30 A.M. to 1.05 P.M. Adjourned to 31st inst., at 10.30 A.M.

October 31st. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

November 1st. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 11 A.M.

November 2nd. Hearing continued, 11 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

November 3rd. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

November 4th. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to 7th inst., at 10.30 A.M.

November 7th. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

November 8th. Hearing continued, 10.30 A.M. to 5 P.M. Adjourned to to-morrow at 10.30 A.M.

November 9th. Hearing continued, 10.30 A.M. to 4 P.M. Adjourned to 21st inst., at 10.30 A.M.

November 21st. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

November 22nd. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

November 23rd. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to November 28th, 1932, at 10.30 A.M.

November 28th. Hearing continued, 10.30 to 11.30 A.M. Adjourned, tentatively, to December 6th, 1932, at 10.30 A.M.

December 21st. Hearing continued, 10.30 A.M. to 4.45 P.M. Adjourned to December 27th, 1932, at 10.30 A.M.

November 27th. Hearing continued, 10.30 A.M. to 4.40 P.M. Adjourned to to-morrow at 10.30 A.M.

November 28th. Hearing continued, 10.30 A.M. to 4.30 P.M. Adjourned to to-morrow at 10.30 A.M.

December 29th. Hearing continued, 10.30 A.M. to 4.45 P.M. Adjourned to January 3rd, 1933, at 10.30 A.M.

PROCEDURE FILE A-4309

Application by the City of Ottawa, under Section 398 of "The Municipal Act," for approval of its By-law No. 7528, prohibiting the use of land or the erection or use of buildings on Flora Street, from Bay Street to Percy Street for other than solely residential purposes.

September 22nd. Application and material filed.

October 14th. Hearing, 10 to 10.10 A.M., Court House, Ottawa. Application granted.

October 15th. Draft Order filed.

October 21st. Order issued.

October 14th, 1932.

ORDER

The application of the Corporation of the City of Ottawa, under Section 398 of "The Municipal Act," for approval of its By-law Number 7528, entitled "A By-law of the Corporation of the City of Ottawa prohibiting the use of land and the erection or use of buildings within the area herein defined for other than solely residential purposes," having come on to be heard before a special sittings of the Board held at the City of Ottawa, pursuant to appointment, on Friday the 14th day of October, A.D. 1932, at the hour of Ten o'clock in the forenoon at the Court House in the said City, upon reading the certified copy of the said By-law, and it appearing that copies thereof and of the appointment for the said Hearing had been duly served upon the owners of the property affected by the said By-law in accordance with the direction of the Board, and no one opposing the enactment of the said By-law,

1. The Board doth hereby approve of the said By-law.

2. The Board directs that its tariff fee for Law Stamps to be affixed to this Order shall be $15.00.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-4313

In the matter of Section 21, subsections (6), (7) and (8), of "The Power Commission Act";

And in the matter of an Appeal by Gottlieb Kleiner, from the Award of T. E. Burnside, Valuator, fixing compensation for land taken or used and damage done to property—Lot 34, Broken Front Concession, Township of Bertie, in the County of Welland, by the Hydro-Electric Power Commission of Ontario.

September 25th. Notice of Appeal filed.

November 21st. Subpoena issued to the Hydro-Electric Power Commission of Ontario.

November 24th. Hearing, 11 a.m. to 5.45 p.m., Court House, Welland. Adjourned to 10.30 a.m., December 12th, 1932, at the Board's Chambers.

December 5th. Hearing continued, pursuant to arrangement. (No one appeared.) Adjourned *sine die.*

Procedure File A-4314

Application by the Town of Paris, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of the construction of a cement pavement on Grand River Street, from the southerly limit of the bridge over the River Nith to the intersection of Grand River Street and Dumfries Street, and on Dumfries Street from such intersection of Grand River Street therewith to the intersection of Dumfries and Church Streets, and the passing of a By-law (No. 862) therefor (Notice of Intention published August 25th and September 1st, 1932).

September 10th. Objection by Mrs. A. Foster and others.

September 26th. Application and material filed.

September 26th. Application refused (unless special reasons can be shown).

October 1st. Further material filed.

October 12th. Hearing, 12 md., at Council Chamber, Town of Paris. Application granted.

October 13th. Draft Order filed.

October 13th. Order issued.

October 12th, 1932.

Order

Upon the application of the said Corporation, and upon reading a copy of the said By-law and other material filed, and the Board having appointed this day to hear all parties interested or affected, and upon hearing what was alleged by Sheldon LaPierre Smoke, Counsel for the said Town of Paris, Mr. George

Foster and Mr. Benjamin Sales, owners of property abutting upon the proposed works,

The Board orders, under and in pursuance of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," that the undertaking by the Corporation of the Town of Paris of the construction of a cement pavement on Grand River Street from the southerly limit of the bridge over the River Nith to the intersection of Grand River Street and Dumfries Street, and on Dumfries Street from such intersection of Grand River Street therewith to the intersection of Dumfries and Church Streets, as a Local Improvement under the provisions of "The Local Improvement Act," and the passing of the said By-law No. 862 therefor, be and the same are hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-4324

Application by the City of Toronto, under Section 398 of "The Municipal Act," for approval of its Restricted Area By-law No. 13736, establishing as a residential district the area bounded by Hillcrest Drive, Davenport Road, Bracondale Road and Turner Road.

October 1st. Application and material filed.

October 25th. Hearing, 11 a.m. to 12.10 p.m. Application granted. Applicant's Solicitor to draft Order. By-law to be amended to allow one house on easterly 36 feet of Block "Y" (see Reporter's Notes). Hearing adjourned meanwhile (pending action by the City) to 10.30 a.m., November 25th, 1932.

November 25th. Hearing continued, 10.30 to 10.40 a.m. Adjourned to 10.30 a.m., Monday, December 5th, 1932 (pending passing of Amending By-law by City Council).

December 5th. Hearing continued, 10.30 to 10.45 a.m. Application granted. Applicant's Solicitor to draft Order (including amending By-law).

December 9th. Draft Order filed.

December 9th. Order issued.

December 5th, 1932.

Order

The application of the Corporation of the City of Toronto, pursuant to Section 398 of "The Municipal Act," being R.S.O., 1927, Chapter 233, for approval of its By-law Number 13736, having come on for hearing before this Board by appointment on Tuesday the 25th day of October, 1932, in the presence of a number of property owners affected, upon reading the said By-law and the other material filed, and upon hearing what was alleged by all parties present or represented before the Board, this matter for certain reasons having been adjourned until Friday the 25th day of November, 1932, and until this day,

The Board orders, under and in pursuance of Section 398, subsection (*2b*), of "The Municipal Act," being R.S.O., 1927, Chapter 233, that By-law No. 13736, being intituled "No. 13736. A By-law to establish as a residential district the area bounded by Hillcrest Drive, Davenport Road, Bracondale Hill Road and Turner Road," as amended by By-law No. 13801, being intituled "No. 13801. A By-law to amend By-law No. 13736 establishing as a residential district the area bounded by Hillcrest Drive, Davenport Road, Bracondale Hill Road and Turner Road," and the said By-law No. 13801, be and the same are hereby approved.

(Sgd.) C. R. McKeown,
Chairman.
(Seal)

PROCEDURE FILE A-4328

Application by the City of Brantford, under Section 6 *(c)* of "The Municipal Franchise Act," for approval of its By-law No. 2342, ratifying Franchise Agreement with the Mohawk Coach Lines, Limited, providing for a sixty-day trial service of buses renewable for one or two additional thirty-day periods.

October 5th. Application and material filed.

October 12th. Hearing, 10.30 A.M., Council Chamber, Brantford. By-law approved.

October 13th. Draft Order filed.

October 13th. Order issued.

October 12th, 1932.

ORDER

1. Upon the application of the said the Corporation of the City of Brantford, and upon reading the said By-law Number 2342 and the other material filed, and upon hearing what was alleged by Counsel for the Applicant, and upon hearing all parties concerned who attended and desired to be heard,

2. The Board orders, under and in pursuance of the provisions of subsection *(c)* of Section 6 of "The Municipal Franchises Act," R.S.O., 1927, Chapter 240, and amendments thereto, that the said By-law Number 2342, ratifying an agreement bearing date the 30th day of September, 1932, between Mohawk Coach Lines, Limited, The Corporation of the City of Brantford and Brantford Municipal Railway Commission providing for a sixty-day trial service of buses, renewable for one or two additional thirty-day periods, be and the same is hereby approved.

3. The Board further orders that there be no costs of this application, except that the Applicant pay $15.00 for Law Stamp, the Board's tariff fee herein.

(Sgd.) C. R. McKeown,
Chairman.
(Seal)

PROCEDURE FILE A-4351

Application by the City of Toronto, under subsection (2*b*) of Section 398 of "The Municipal Act," for approval of its By-law No. 13750, repealing its Restricted Area By-law No. 12604 in so far as it prevents the erection of rink building on lands of Upper Canada College on the south side of Kilbarry Road.

October 15th. Application and material filed.

November 10th. Hearing, 10.30 to 11 A.M. Adjourned to 10.30 A.M., December 5th, 1932 (pending consideration of alteration of location).

December 5th. Hearing continued, 10.30 A.M. Adjourned to January 9th, 1933, at 10.30 A.M., at the request of Counsel.

PROCEDURE FILE A-4367

In the matter of the Petition of H. L. Bunting, and others, under Section 21 of "The Municipal Act," for annexation to the Town of Thorold of part of the Township of Thorold, in the County of Welland.

October 24th. Petition filed.

October 26th. Resolution of Town Council filed.

November 3rd. Plan filed.

November 19th. Argument before the Board on question of the Board's jurisdiction.

November 24th. Hearing, Court House, Welland, 11 to 11.30 A.M. Board suggests that vote of ratepayers of the Township of Thorold be taken.

PROCEDURE FILE A-4371

Application by the City of Toronto, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of the construction of a sewer on Richmond Street, between Niagara Street and Tecumseth Street, and the passing of a By-law therefor.

October 27th. Application and material filed.

Objection by Mrs. Dora Brown.

Objection by Balbina Szypulska.

Objection by Mrs. Anna Smieck, and others.

December 5th. Hearing, 10.30 A.M.; 10.45 to 11.45 A.M. Adjourned to 10.30 A.M., December 19th, 1932.

December 19th. Hearing continued, 10.30 to 10.40 A.M. Work approved on condition that term of debentures to be 15 years; Applicant's Solicitor to draft Order (see Reporter's Notes).

December 19th, 1932.

ORDER

Whereas the Council of the Corporation of the City of Toronto has adopted the recommendation of the Engineer for the said Corporation for the construction of a sewer on Richmond Street from a point at or about the centre line of Niagara Street to a point at or about the west street line of Tecumseth Street, at an estimated cost of nine thousand four hundred and twenty-five dollars ($9,425.00) of which six hundred and sixty-three dollars ($663.00) is to be paid by the Corporation, the balance to be specially assessed upon the lands abutting directly on the work and paid in ten equal annual instalments;

And whereas the Corporation has applied to the Ontario Municipal Board as required by Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of the said work and the passing of a By-law by the Council of the Corporation authorizing the undertaking of the said work;

And whereas the said application having come on this day for hearing before this Board in the presence of Counsel for the Corporation and certain parties objecting to the work being undertaken, and it appearing that notice of such application has been given in the manner required by the said statute and as directed by the Board, upon hearing read the material filed and upon hearing what was alleged by all parties present or represented before the Board,

The Board orders, under and in pursuance of the said statute that the cost of the said work be paid in fifteen equal annual instalments and that subject to such change the said work be and the same is hereby approved.

The Board further orders that the passing of a By-law by the Council of the Corporation of the City of Toronto, authorizing the undertaking of the said work upon the foregoing terms be and the same is hereby approved.

(Sgd.) J. A. Ellis,
(Seal) *Vice-Chairman.*

Procedure File A-4379

Application by the Township of York, under Section 11 of "The Township of York Act, 1931," being Chapter 134, Ontario Statutes, 1931, for approval of its By-law No. 11217, providing that no building on lands fronting or abutting on parts of Vaughan Road and Weston Road shall be erected or placed closer to the line of the highway than the distance set out in the By-law.

October 29th. Application and material filed.

November 18th. Hearing, 10.30 a.m.; 10.40 to 11.30 a.m., at the Board's Chambers. Application granted. Applicant's Solicitor to draft Order.

November 22nd. Draft Order filed.

November 22nd. Order.

November 18th, 1932.

Order

Upon the application of the Corporation of the Township of York, upon reading the affidavit of John Harvey and other material filed, and upon hearing what was alleged by Counsel for the Applicants and by a property owner in opposition to the application,

The Board orders, under and in pursuance of the provisions of Section 11 of "The Township of York Act, 1931" (Chapter 134) that the By-law No. 11217, passed by the Council of the Corporation of the Township of York on the 19th day of September, 1932, be and the same is hereby approved.

(Sgd.) C. R. McKeown,
(Seal) *Chairman.*

Procedure File A-4388

In the matter of the Application of the Corporation of the City of Hamilton, under Section 44 of "The Ontario Municipal Board Act, 1932," for an Order against the proposed curtailment of Street car and bus services and the reduction in staff by The Hamilton Street Railway Company, and directing the said Company to provide a modern and efficient street railway and transportation system so as to give a rapid, sure and efficacious service pursuant to the City's By-law No. 3336 (passed May 25th, 1926).

October 31st. Application filed.

November 10th. Reply filed.

November 15th. Hearing, 11 A.M., Council Chamber, Hamilton. The Solicitor for the City of Hamilton stated that after making an investigation of the service being given, the City had little to complain about and so no Order was made.

PROCEDURE FILE A-4392

Application by the Township of Etobicoke, under 13-14 George V, Chapter 62 and amendments thereto, being a special Act in respect to the said Township, for approval of its By-law No. 3995—Extension of Water Area No. 4 of the said Township.

November 3rd. Application and material filed.

November 18th. Hearing, 10.30 to 10.40 A.M., at the Board's Chambers. Application granted. Applicant's Solicitor to draft Order

November 21st Draft Order filed

November 21st. Order issued.

November 18th, 1932.

ORDER

Upon the application of the said Corporation, upon reading the notice of application and other material filed, and public notice of the Hearing of such application having been duly given as directed by the Board, and upon hearing Counsel for the Applicant, and no one appearing in opposition to the application, and it appearing upon the application that the area described in the said By-law should be added to Water Area No. 4,

The Board orders and certifies, under and in pursuance of the provisions of the said Act, being Chapter 62, 13-14 Geo. V, and amendments thereto, that the said By-law 3995, intituled "By-law No. 3995. A By-law of the Municipality of the Township of Etobicoke to extend or enlarge a definite section or area of the Municipality known as Water Area No. 4, as established by By-law No. 1384, and enlargements thereof, by adding thereto the lands hereinafter described and defined and to construct and extend the system of watermains and water works in Water Area No. 4 into the area hereinafter described for the benefit of the said area," be and the same is hereby approved.

(Sgd.) C. R. McKEOWN,
Chairman.

(Seal)

PROCEDURE FILE A-4395

BETWEEN:

The Home Telephone Company, Limited,
Applicant,

—and—

The Sunderland Telephone Company, Limited,
Respondent.

(Complaint under Section 93 of "The Telephone Act," that Respondent has paralleled the lines of the Applicant to furnish service to William A. Webster, a former subscriber to the Applicant's System.)

November 3rd. Application and material filed.

November 14th. Hearing, 11 to 11.30 A.M., at the Board's Chambers. (Chairman authorized under Section 17, Chapter 27, Ontario Statutes, 1932.)

November 25th. Report of Chairman filed and adopted. Application dismissed.

REPORT

The undersigned, having heard the evidence of all parties relative to this application, recommends that the said application be dismissed.

(Sgd.) C. R. McKEOWN,
Chairman.

Toronto, November 25th, 1932.

I concur:
(Sgd.) J. A. ELLIS,
Vice-Chairman.

PROCEDURE FILE A-4399

In the matter of Section 77a of "The Highway Improvement Act";

And in the matter of the Claim of Thomas J. Mahony and Edward J. Mahony for compensation for lands taken and injurious affection to part of Lot No. 27, Concession I, Township of Saltfleet, County of Wentworth, by the Department of Highways of Ontario.

November 7th. Application and particulars of Claim filed.

December 12th. Hearing, 10 a.m., Court House, Hamilton. Adjourned to December 13th, 1932, at 10 A.M.

December 13th. Hearing continued, 10 A.M. Judgment in terms of settlement—$2,500 in full of Claim and costs fixed at $250.00.

PROCEDURE FILE A-4405 (P. 627)

Application by the City of Toronto, under Section 4 of "The Planning and Development Act," for approval of plan of proposed Street System of Lots 6 to 10, Concession II, west of Yonge Street, North York, being an amendment to Section 60 of the City's General Plan. (See also P.F.F. A-2245 (P. 576); A-2465 (P. 585); A-2563 (P. 587); and A-2755 (P. 592).

November 8th. Application and plan filed.

December 5th. Hearing, 10.30 A.M.; 10.45 to 10.50 A.M. Application granted; plan to be certified.

PROCEDURE FILE A-4426

Application by the City of Belleville, under Section 398 of "The Municipal Act," for approval of its By-law No. 3101, regulating the character of buildings to be erected on portions of Front, Bridge and Campbell Streets and Victoria Avenue.

November 25th. Application and material filed.

December 30th. Hearing, 12 MD., at Council Chamber, Belleville (Vice-Chairman of the Board authorized under Section 17 of Chapter 27, Ontario Statutes, 1932). Report of Vice-Chairman. By-law to be amended as directed. Subject to such amendment the application granted.

PROCEDURE FILE A-4456

Application by the Corporation of the City of Ottawa, under Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," for approval of the undertaking of certain Local Improvement works and the passing of a By-law therefor. Concrete sidewalks on Arlington Avenue, Helena Street and Guigues Avenue, and pavement on Albert Street (Notice of Intention dated November 10th, 1932).

December 8th. Application and material filed.

Objection by Andrew McArthur, and others, to Arlington Avenue Local Improvement.

Objections by Morley Donaldson Estate, James S. Wilson Estate, and others, Ottawa Car Manufacturing Co., Ltd., and M. N. Cummings, to Albert Street Local Improvement.

December 10th. Orders approving of undertaking, etc., of Helena Street and Guigues Avenue Local Improvements.

December 23rd. Hearing, re Arlington Avenue and Albert Street Local Improvements, 10 A.M., Court House, Ottawa. (Vice-Chairman authorized under Section 17, Chapter 27, Ontario Statutes, 1932). Arlington Avenue work approved, no one appearing in opposition.

Hearing re Albert Street Local Improvement, 10 A.M., to 10.45 A.M. Recommendation of Vice-Chairman that work be approved subject to the City paying the entire cost of all culverts, catch basins and other works provided for surface drainage, and that 60% of the remainder of the cost of the work be paid by the City and 40% by the property owners.

December 27th. Recommendations of Vice-Chairman adopted as Orders of the Board.

December 10th, 1932.

ORDER

Upon the application of the said Corporation, and upon reading the copy of the Notice of Intention of the Council of the said Corporation dated the 10th day of November, 1932, and the other material filed,

The Board orders, under and in pursuance of the provisions of Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932," that the undertaking by the Corporation of the City of Ottawa of the construction of a 5-foot concrete sidewalk on the south side of Helena Street, from Clarendon Avenue to the east limit of Lot 2397, and a 6-foot concrete sidewalk on the south side of Guigues Avenue from a point 43 feet west of Cumberland Street to a point 280 feet west of Cumberland Street, and the passing of a By-law therefor, be and the same are hereby approved.

(Sgd.) C. R. MCKEOWN,
Chairman.

(Seal)

ANALYTICAL CLASSIFIED INDEX OF APPLICATIONS TO THE BOARD

LIST OF APPLICATIONS RESPECTING PROVINCIAL RAILWAYS DURING 1932

	Procedure File	Plan
Canadian National Railways—Closing of Agency Station at Allanwater, Ontario	A-3911	
Canadian National Railways—Closing of Agency Station at Malachi, Ontario	A-3911a	
Canadian National Railways—Erection of proposed Shelter at Bankfield, Ontario	A-3985	
Canadian Freight Classification No. 18—Supplement No. 3	4170	
Fort William, City of—Approval of the issue of Pass tickets for a period of three months	A-3947	
Freight Classification (Canadian) No. 18—Supplement No. 3	4170	
Hamilton, City of, vs. Hamilton Street Railway Company—Curtailment of Street car and bus service and reduction of staff, etc.	A-4388	
Hamilton Street Railway Company; City of Hamilton vs.—Curtailment of Street car and bus service and reduction of staff, etc.	A-4388	
Hydro-Electric Power Commission of Ontario and City of Hamilton—(See Hamilton Street Railway—P.F. A-4388).		
Hamilton, City of, vs. Hamilton Street Railway—Amendment to Board's Order re operation of cars on "Belt Line" Route, and interpretation of Agreement under City's By-law 3336	A-4453	
Hamilton Street Railway; City of Hamilton vs.—Amendment to Board's Order re operation of cars on "Belt Line" Route and interpretation of Agreement under City's By-law 3336	A-4453	
Toronto Transportation Commission:		
Approval Operation of One-Man cars on "Bathurst Street" Route and alteration of prescribed route on Sundays during summer months (to Ferry Docks and Queen's Quay instead of to Sherbourne Street)	A-3913	
Approval Operation of One-Man cars on "Harbord Street" Route	A-3914	
Approval Operation of One-Man cars on Bathurst, Harbord, Bathurst Tripper and College Routes on week days, and on night car routes—Bathurst, Beach, Bloor, Carlton, Lake Shore, King and Yonge Routes on week days and Sundays	A-4073	
Approval Plan—Renewal special track work—Queen and Dufferin Streets	A-4165	
Approval Plan—"Pay-Enter" Car No. 2898 (Witt Type) for use on any of its One-Man routes	A-4238	
Approval Plan of tangent track reconstruction on Danforth Avenue, from Broadview Avenue to Greenwood Avenue	A-4338	626

APPLICATIONS TO THE BOARD FOR VALIDATION OF BY-LAWS UNDER SECTION 304 OF "THE MUNICIPAL ACT"

(Now Part V of Chapter 27, Ontario Statutes, 1932)

(Note.—Abbreviation "I.C." means Irregularities cured; Abbreviation "I" means Irregularities **Not** Cured)

Municipality	By-law No.	Purpose	Amount	Procedure File
Ancaster, Township of	816	Waterworks Construction in Area No. 1, etc.—Local Improvements	$41,454 04 (I.C.)	A-3920
Almonte, Town of	811	Completion of Waterworks and Sewerage System	35,000 00	A-4117
Almonte, Town of	812	Sanitary Conveniences	7,718 94	A-4117a
Ancaster, Township of	816 (amended)	Waterworks Construction in Area No. 1, etc.—Local Improvements	41,454 04 (I.C.)	A-3920b
Burk's Falls, Village of	299	Waterworks Construction	2,000 00	A-3896a
Brockville, Town of	B-1760	Local Improvements—Pavements	83,500 00 (I.C.)	A-39 6
Brantford, City of	2333	Unemployment Relief Works—Local Improvements	132,846 00 I.C.	A-4164
Belleville, City of	3089	Bridge Construction	20,000 0 (I.C.)	A-4177
Barrie, Town of	1301	Unemployment Relief Works—Sewers (Corporation's share)	16,000 00 (I.C.)	A-4196a
Barrie, Town of	1305	Local Improvements—Pavements, etc.	33,246 40 (I.C.)	A-4196b
Barrie, Town of	1307	Local Improvements—Sewers	4,803 60 I.C.))	A-4336a
Barrie, Town of	1308	Local Improvements—Pavements, etc.	7,500 00 (I.C.)	A-4336b
Brant, County of	582	Provincial Highway Construction, 1930–1931	150,000 00	A-4483
Chesterville, Village of	528	Local Improvement—Pavement	2,261 03 (I.C.)	A-4188a
Cobourg, Town of	1493	Unemployment Relief Works	10,631 30	A 4427
Cobourg, Town of	1494	Fire Pumper	6,500 00	A-4428
Carleton Place, Town of	1072	Unemployment Relief Works	22,30 00	A-4383a
Crowland, Township of	260 (1932)	Unemployment Relief Works	41,903 78	A-4419a
Caledon, Township of	978	Liquidation of portion of debenture issue establishing its Municipal Telephone System	4,601 36	A-4125
East York, Township of	2391	Water Main, Waterworks Section "C"	4,903 80 (I.C.)	A-4035
East York, Township of	2392	Water Main—Waterworks Section "F"	8,064 55 (I.C.)	A-4036a
East York, Township of	2393	Water Main—Waterworks Section "C"	3,291 30 (I.C.)	A-4037a
East Whitby, Township of	1123	Unemployment Relief Works—Local Improvements	7,435 10 (I.C.)	A-4099
East York, Township of	2396	Unemployment Relief Works—Local Improvements—Sewers	124,824 30 (I.C.)	A-4111
East York, Township of	2397	Unemployment Relief Work—Syphon	26,753 20 (I.C.)	A-4111a
Etobicoke, Township of	3976 (Con.)	Local Improvements—Sidewalks, etc.	21,745 00 (.C.)	A-4131
Etobicoke, Township of	3961	Local Improvements—Sidewalks, etc	530 00 (I.C.)	A-4132
Erin, Township of	5 (1932)	New Construction—Erin Municipal Telephone System	6,000 00 (I.C.)	A-4170
Fort William, City of	3257(amended)	Vocational School and Collegiate	487,525 00 (I.C.)	A-4053a
Fort William, City of	3258(amended)	Vocational School	57,750 00 (I.C.	A-4052a
Fort William, City of	3275	Local Improvements—Sewers	6,085 00	A-4067
Fort William, City of	3277	Local Improvements—Sidewalks	18 999 00	A-4068

Forest Hill, Village of	646	Local Improvements—Sewers	10,673 75	(I.C.)	A-4090
Fort William, City of	3276	Local Improvements—Pavements	8,005 00	(I.C.)	A-4098
Forest Hill, Village of	658	Local Improvements—Sidewalks and Water Mains	23,583 41	(I.C.)	A-4176
Forest Hill, Village of	674 (Con.)	Local Improvements—Sewers	19,573 75	(I.C.)	A-4183
Forest Hill, Village of	675	Local Improvement—Pavement	60,529 75	(I.C.)	A-4186
Forest Hill, Village of	657	Local Improvements—Sewers	8,900 00	(I.C.)	A-4183a
Forest Hill, Village of	663	Local Improvements—Pavement	84,900 00	(I.C.)	A-4243
Forest Hill, Village of	677	Local Improvement—Street Widening, etc.	49,000 00	(I.C.)	A-4265
Fenelon Falls, Village of	853	Construction of School in S.S. No. 3 for Village of Fenelon Falls and Twps. Fenelon and Verulam	36,500 00	(I.C.)	A-4454
Grimsby, Town of	693(amended)	Unemployment Relief Works	49,376 81	(I.C.)	A-3874a
Gloucester, Township of	8 (1928)	Drainage Work	8,796 85	(I.C.)	A-4372c
Galt, City of	2910	Bridge Reconstruction	53,300 00	(I.C.)	A-4437a
Hanover, Town of	516	Sewage Disposal Plant	35,250 00	(I.C.)	A-3968
Hawkesbury, Town of	518	Redemption of outstanding debentures, 1932	17,417 91	(I.C.)	A-4154
Kitchener, City of	2308	Local Improvement—Opening, etc., of Street (Hall's Lane)	49,966 83	(I.C.)	A-4015
Kitchener, City of	2314 (Con.)	Local Improvement—Pavement, etc.	158,725 01	(I.C.)	A-4059
King, Township of	574	Township's share of cost of certain drainage scheme	5,083 86	(I.C.)	A-4369
Kitchener, City of	2337	Unemployment Relief Works	62,748 45		A-4429
Kitchener, City of	2341	Unemployment Relief Works	111,984 31		A-4430
Lennox and Addington, County of	601	Part of Highway expenditure in 1930	105,000 00		A-4438
Mimico, Town of	850(amended)	Sewage Disposal Plant	100,000 00	(I.C.)	A-4342
New Toronto, Town of	906	Guarantee of Mimico Debentures	....		A-4342
North York, Township of	1669 (Con.)	Local Improvements—Water Mains	60,735 10	(I.C.)	A-3991
North York, Township of	1676 (Con.)	Local Improvements—Water Mains	92,744 00	(I.C.)	A-3992
New Toronto, Town of	893 (Con.)	Local Improvements—Water Mains, etc.	77,332 86	(I.C.)	A-4011
New Toronto, Town of	903 (Con.)	Local Improvements—Water Mains, etc.	148,132 86		A-4255
Nepean, Township of	1194 (Con.)	Local Improvements—Sewers and Water Mains	309,441 94		A-4281
North Bay, City of	1079	Local Improvements—Pavements	185,745 06	(I.C.)	A-4478a
North Bay, City of	1080	Local Improvements—Sanitary Sewers	65,969 02	(I.C.)	A-4478b
Owen Sound, City of	615	Provincial Highway Construction	45,000 00		A-3955
Ottawa, City of	7320	Local Improvements—Pavements	362,361 10	(I.)	A-4025
Ottawa, City of	7383	Local Improvements—Pavements	36,614 09	(I.C.)	A-4061
Ottawa, City of	7321	Local Improvements—Sewers	10,039 08	(I.C.)	A-4081
Oshawa, City of	2110	Local Improvements—Sewers	29,309 76	(I.C.)	A-4233
Orillia, Town of	1146 (Con.)	Local Improvements—Sewers	21,163 70	(I.C.)	A-4323
Petrolia, Town of	1399 (Con.)	Local Improvement—Pavement, etc.	2,583 27	(I.C.)	A-3907
Petrolia, Town of	1400	Local Improvement—Sewer	1,513 60	(I.)	A-3932
Petrolia, Town of	1401	Local Improvement—Curb	577 85	(I.)	A-3933
Petrolia, Town of	1403	Local Improvement—Pavement, etc.	2,673 12	(I.)	A-3934
Petrolia, Town of	1408	Local Improvement—Sewer	2,404 13		A-3956
Port Credit—Village of	334	Taxes in arrears	13,000 00	(I.C.)	A-4150a
Port Credit—Village of	337	Local Improvements—Sidewalks	1,447 50	(I.C.)	A-4150b
Port Colborne, Town of	135 (1932)	Local Improvements—Water Main and Sidewalks	19,755 66	(I.C.)	A-4294a

APPLICATIONS TO THE BOARD FOR VALIDATION OF BY-LAWS UNDER SECTION 304 OF "THE MUNICIPAL ACT"—CONTINUED (NOW PART V OF CHAPTER 27, ONTARIO STATUTES, 1932)

(NOTE.—Abbreviation "I.C." means Irregularities cured; Abbreviation "I" means rregularities **Not** Cured)

Municipality	By-law No.	Purpose	Amount	Procedure File
Port Colborne, Town of	136 (1932)	Local Improvements—Pavement and curbs	19,957 88 (I.C.)	A-4295a
Port Colborne, Town of	137 (1932)	Local Improvement—Watermain	4,849 84 (I.C.)	A-4296a
Port Colborne, Town of	138 (1932)	Local Improvements—Water Main and Sanitary Sewer	4,190 60 (I.C.)	A-4297a
Pembroke, Town of	1393 (Con.)	Local Improvements—Drain and Roadways	24,642 63 (I.C.)	A-4340
Palmerston, Town of	709	Local Improvements—Pavement and Sewers	7,407 25 (I.C.)	A-4413
Petrolia, Town of	1376 (Con.)	Local Improvements—Sewer, etc.	7,495 10 (I.C.)	A-4470
Petrolia, Town of	1399 (Con.)	Local Improvements—Resurfacing of Oil Street, etc.	2,583 27 (I.C.)	A-4471
Petrolia, Town of	1412 (Con.)	Local Improvements—Sidewalk and Sewer	5,077 25 (I.C.)	A-4472
Sandwich, Town of	2143 (Con.)	Local Improvements—Sewers and Water Mains	120,146 54 (I.)	A-3999
Sandwich, Town of	2144	Local Improvement—Widening of Huron Church Road	19,904 01 (I.)	A-4000
Sault Ste. Marie, City of	1500	Road Construction	82,000 00 (I.C.)	A-4197a
Sault Ste. Marie, City of	1501	Sanitary Sewer Outlets	3,000 00	A-4197b
Sault Ste. Marie, City of	1502	Local Improvements—Granolithic Walks	5,000 00 (I.C.)	A-4197c
Smiths Falls, Town of	2063(amended)	Local Improvements—Sidewalks, etc.	30,884 45 (I.C.)	A-4200
Stamford, Township of	477	Local Improvements—Sidewalks, etc.	3,803 76 (I.C.)	A-4224
Stamford, Township of	478	Local Improvements—Sewers	10,944 94 (I.C.)	A-4224a
St. Catharines, City of	4126	Local Improvements—Sidewalks	2,053 79 (I.C.)	A-4368
St. Catharines, City of	4125	Local Improvements—Sidewalks, etc.	26,336 94 (I.C.)	A 4406
St. Catharines, City of	4119	Unemployment Relief Works	69,500 00	A-4316a
St. Thomas, City of	2931 (Con.)	Local Improvements—Sidewalks and Curbs	6,738 21 (I.C.)	A-4445
St. Thomas, City of	2935 (Con.)	Local Improvement—Ornamental Street Lighting	4,174 72 (I.C.)	A-4446
Saltfleet, Township of	1028	Local Improvement—Water Main	5,724 38	A-4443a
St. Thomas, City of	2944	New Western City Entrance	5,500 00 (I.C.)	A-4459
Toronto, City of	13516	To enlarge Administration Building and site for Board of Education	328,000 00	A-3898
Toronto, City of	13547	To enlarge Administration Building and site for Board of Education	330,000 00 (I.C.)	A-3925
Toronto, City of	13602	Local Improvement—Pavement	100,600 47 (I.C.)	A-3963
Toronto, City of	13604	Local Improvements—Sewer —Eastern Harbour Development, System "C"	388,550 11 (I.C.)	A-3964
Thorold, Town of	1143	Local Improvements—Sewers	3,224 94 (I.C.)	A-4169
Thorold, Town of	1149	High School purposes	2,124 84 (I.C.)	A-4219
Toronto, Township of	1143	Local Improvements—Water Mains	20,120 45 (I.C.)	A-4366
Vaughan, Township of	1320	Township's share of purchase price of portion of Metropolitan Division of Toronto & York Radial Railway.	13,850 00 (I.C.)	A-4030
Weston, Town of	638	Local Improvement—Pavement	13,334 91 (I.C.)	A-3876
Weston, Town of	639	Local Improvement—Sewer	4,605 78 (I.C.)	A-3877

Weston, Town of	650	Local Improvement—Water Main	1,487 60 (I.C.)	A-3878
West Lorne, Village of	340	Waterworks construction	55,000 00 (I.C.)	A-4078
Weston, Town of	635(amended)	Railway Subway	10,000 00 (I.C.)	A-4173d
Weston, Town of	712 (Con.)	Local Improvements—Concrete Walks	4,537 46	A-4190
Weston, Town of	714 (Con.)	Local Improvements—Pavements, etc.	55,407 90	A-4191
Weston, Town of	614	Local Improvements—Pavements	38,671 60	A-4192
Windsor, City of	4114 (Con.)	Local Improvements—Sidewalks, etc.	237,606 63	A-4237
Welland, City of	791	Local Improvements—Sidewalks, etc.	28,720 73 (I.C.)	A-4251c
Wiarton, Town of	341	Waterworks purposes	17,600 00	A-4318
West Lorne, Village of	349	Fire Engine, Equipment and Fire Hall	5,000 00	A-4425
West Ferris, Township of	180	Local Improvement—Water Main	16,889 28 (I.C.)	A-4460
York, Township of	11148	Local Improvements—Water Mains	27,124 32 (I.)	A-3926
York, County of	1699	Provincial Highway Constructiou, 1931	72,000 00	A-4331
York, County of	1702	County Highway Construction, 1931	225,000 00	A-4332

APPLICATIONS TO THE BOARD FOR APPROVAL OF BY-LAWS UNDER SUBSECTION 2 OF SECTION 399 OF "THE MUNICIPAL ACT"

Municipality	By-law No.	Purpose	Amount	Procedure File
East York, Township of	2409	Hydro-Electric System Extension	$50,000 00	A-4178
Hamilton, City of	4407	Waterworks Extensions	58,403 00	A-4056
Mimico, Town of	849	Hydro-Electric System Extensions	20,000 00	A-4063
North York, Township of	1628	Hydro-Electric System Extensions	80,000 00	A-3919
Ottawa, City of	7412	Additional cost, etc., Filtration Plant	310,000 00	A-4158
Penetanguishene, Town of	779	Waterworks Extensions	5,000 00	A-4013
Preston, Town of	1099	Waterworks Extensions	30,000 00	A-4354
Palmerston, Town of	710	Waterworks Extensions and Sewer	12,670 00	A-4414
Preston, Town of	1105	Waterworks Extensions, etc.	30,174 90	A-4431
Port Colborne, Town of	139 (1932)	Completion and Improvement of Sewerage Works	35,000 00	A-4434
Renfrew, Town of	1262	Electric Power Extensions	8,000 00	A-4415
Toronto, City of	13505	Waterworks Extensions, etc.	120,000 00	A-3897
Toronto, City of	13506	Waterworks Extensions, etc.	117,000 00	A-3897a
Toronto, City of	13551	Waterworks Extensions, etc.	121,000 00	A-3927
Toronto, City of	13559	Waterworks Extensions, etc.	118,000 00	A-3928
Toronto, City of	13566	Hydro-Electric Extensions	1,893,000 00	A-3946
Toronto, City of	13693	Revenue Mains	14,300 00	A-4179
Toronto, City of	13707	Waterworks Extensions	174,000 00	A-4211
Waterdown, Village of	277	Completion of Waterworks System	8,000 00	A-4209
Wingham, Town of	1037 (1932)	Construction of new Pump House	3,500 00	A-4385
Welland, City of	811	Sewer	11,673 48	A-4161

MISCELLANEOUS

ANNEXATIONS

		Procedure File
Kitchener, City of	Petition of Westmount Homes, Ltd., et al, for annexation to City of Kitchener of parts Lots 7, 8, 9 and 10, B. Weber's Survey, etc., Township Waterloo (17.08 acres)	A-4060
Niagara Falls, City of	Petition of American Cynamid Co., et al, for annexation to City of Niagara Falls of part Township Lots 59, 74 and 76, etc., Township of Stamford	A-4310
Thorold, Town of	Petition of H. L. Bunting, et al, for annexation to the Town of Thorold of part of the Township of Thorold	A-4367
Copper Cliff, Town of	Application for annexation thereto of part Lot 1, Concession 1, of the unorganized Township of Snider, in District of Sudbury	A-4467

ARBITRATIONS

Including References under "The Highway Improvement Act" and "The Public Works Act."

Niagara Park Commission and Mimmon Abohbot—Re Expropriation of part Lots 113 and 114, Reg. Plan No. 35 for City of Niagara Falls, County of Welland	A-3861
Wm. Williamson and Department of Highways of Ontario—Re Expropriation of part Lots 10, 11, 12, 13, 14 15, 16 and 17, Reg. Plan 2400 (York), Township of North York	A-3871
Annie E Walker and Department of Highways of Ontario—Re Expropriation of part Lots 1, 2 and 3, Registered Plan 2400 (York), Township of North York	A-3872
Northbourne Heights and Department of Highways of Ontario—Re Expropriation of part Lots 7, 8 and 9, Registered Plan 2400 (York), Township of North York	A-3873
W. H. Arnold-Forster and Department of Highways of Ontario—Re Expropriation of part Lots 4, 5 and 6, Reg. Plan 2400 (York), Township of North York	A-3875
James Joyce and Department of Highways of Ontario—Re Expropriation of part Lot 295, Reg. Plan M-372 (Toronto), Township of North York	A-3921
Hydro-Electric Commission of City of Hamilton vs. City of Hamilton—Apportionment of cost of removal of certain poles and wires	A-4046
LaRose Rouyn Mines, Ltd., and Department of Northern Development—Re Expropriation of Lots 73–80, Town of Cobalt, and parts Mining Claims J.B. 14 and J.B. 4 in said Town of Cobalt	A-4284
Kingdon Mining, Smelting and Manufacturing Co. and Hydro-Electric Power Commission of Ontario—Re Compensation for lands expropriated and damages, in Township of Fitzroy, County of Carleton	A-4304
Gottlieb Kleiner and Hydro-Electric Power Commission of Ontario—Appeal from Award of Valuator re Compensation for land taken and damages to Lot 34, Broken Front Concession, Township of Bertie, County of Welland	A-4313
Thomas A. and Helen Osborne and Department of Highways of Ontario—Re Expropriation of south half Lot 103, Plan 2371, East and West riding (York)	A-3935
George T. McNair and Department of Highways—Re Expropriation of Lot 53 and southerly 4" Lot 52, easterly side of Yonge Street, Plan 2324, Township of North York	A-4017
Isaac N. and Lucy A. Devins and Department of Highways—Re Expropriation of part Lot 1, Range 5, Kingsmill Reserve, and part Lot "A" in Reservation at mouth of Humber and part of Old Lake Road or Bridge Lot at mouth of Humber River in front of said Lot (0.328 acres)	A-4018
Edith Stobbs and Department of Highways of Ontario—Re expropriation of easterly 10 feet of Lot 180, Plan 1706, Township of North York, County of York	A-4057
Samuel Cline and Department of Highways—Re Expropriation of part Lots 24 and 25, Concession VIII, Township of Saltfleet, County of Wentworth	A-4064
Joseph A. Carton and Department of Highways of Ontario—Re Expropriation of northerly 120 feet of Lot 114, west side Avenue Road (Plan 1706), Township of North York	A-4075
James and Agnes Gray vs. Township of North York—Re Expropriation of easterly 10 feet of Lot 15, north side of Deloraine Avenue, Township of North York	A-4151

ARBITRATIONS—Continued

	Procedure File
Evelyn S. Roberts and Department of Highways of Ontario—Re Expropriation (in part) and injurious affection to part Lots 2 and 3, south of Dundas Street, Town of Paris, County of Brant	A-4048
James Lawrence and Department of Highways of Ontario—Re Expropriation of parts Lots 17 and 18, east of Garafraxa Road, Township of Glenelg, County of Grey	A-4320
Bruno Marando and Department of Highways of Ontario—Re Expropriation of part Lot 23, Plan 1176, Township of Etobicoke, County of York	A-4357
Thomas J. and Edward J. Mahony and Department of Highways of Ontario—Re Expropriation of part Lot 27, Concession 1, Township Saltfleet, County of Wentworth	A-4399
W C. Weber and Department of Highways of Ontario—Re Expropriation of parts Lots 5 and 6, Township of Malden, County of Essex	A-4404
Warwood, Mary Jean and Department of Highways of Ontario—Re Expropriation of Lots 1085 and 1086, and 1328 and 1329, south side Bedford Park Avenue, Plan M-108 L.T.O. (Southwest corner Bedford Park Avenue and Avenue Road, 335 Bedford Park Avenue), Township North York, County of York	A-4458

ASSESSMENT APPEALS

	Amount	Procedure File
The Bell Telephone Company of Canada, Ltd., vs. City of Fort William (Telephone System)	$13,207 00	A-3862
Epstein, David, vs. City of Ottawa (Land and Buildings)	94,000 00	A-3865
Thorburn, Chas. H., and George F. Abbott, vs. City of Ottawa (Land and Buildings)	91,750 00	A-3901
Butterworth, R. W., and The Royal Trust Co. (Executors of Estate of J. G. Butterworth), vs. City of Ottawa (Land and Buildings)	291,625 00	A-3902
McMillan, Alexander, vs. City of Ottawa (Land and Buildings)	101,550 00	A-3903
Canadian Bank of Commerce vs. City of Ottawa (Land and Buildings)	654,375 00	A-3904
Canadian Land & Immigration Company of Haliburton, Ltd., vs. Municipality of Dysart (Land)	392,976 00	A-4277
Cross-Appeal		A-4278
Dysart, Municipality of Township of, vs. Clyde Land Co., Ltd. (Land)	93,700 00	A-4279
Dysart, Municipality of Township of, vs. Dysart Land Co., Ltd. (Land)	170,916 00	A-4280
Levine, Abraham (Agent for H. W. Petrie) vs. City of Toronto (Land and Buildings)	63,185 00	A-4285
Dominion Natural Gas Co., Ltd., vs. Township of Walpole (Property and Income)	257,100 00	A-4400
Dominion Natural Gas Co., Ltd., vs. Township of Oneida (Property and Income)	91,250 00	A-4401
Toronto Envelope Co., Ltd. Harry Rotenberg and Louis S. Yolles), vs. City of Toronto (Land and Buildings)	207,900 00	A-4468
Franceshini James (Owner), James Deadey Manager) and Walter Molson (Restaurant-keeper)—Royal Cecil Hotel vs. City of Toronto (Land and Buildings and Restaurant)	78,800 00	A-4469
City of Stratford vs. McLagan Furniture Co., Ltd. (Buildings)	61,300 00	A-4479
City of Stratford vs. Stratford Chair Co., Ltd. (Buildings)	43,750 00	A-4480
City of Stratford vs. Canadian General Electric Co., Ltd. (Buildings)	43,400 00	A-4481
City of Stratford vs. L. J. Salter (Buildings)	32,300 00	A-4482

BILLS (FINANCIAL)

(Under Rule 72 of the House)

Municipality	Bill No. (1932)	Procedure File
Carleton, County of	14	A-3931
Perth, Town of	40	A-3944
Brantford, City of	43	A-3945
East Whitby, Township of	31	A-3962
Gloucester, Township of	28	A-3969
Rockland, Town of	39	A-3970
Sarnia, City of	13	A-3973

BILLS

(Referred to the Board under Section 55, Chapter 225, R.S.O., 1927 (now Section 51, Chapter 27, Ontario Statutes, 1932)

Municipality	Bill No. (1932)	Procedure File
Guelph, City of	6 (Section 3 (a)	A-3952
Smiths Falls, Town of	45	A-3961

BRIDGES

By-laws approved under Section 297 (2) (e) Chapter 233, R.S.O., 1927 ("The Municipal Act")

Woodstock, City of—Reconstruction of Bridges on Main and Butler Streets, $7,000.00	A-4207

BOUNDARIES, BRIDGES AND HIGHWAYS

(Section 29 of "The Highway Improvement Act")

County of Lambton vs. County of Kent—Reconstruction of "Shellar" Bridge over "Whitehead Drain," Township of Sombra, on boundary line between Counties of Lambton and Kent	A-4166

BY-LAWS

Approved under Section 78 (c) of "The Ontario Municipal Board Act, 1932"

Mimico Town of—Appointment of Finance Commissioner (By-law No. 869)	A-4449

DEFAULTING MUNICIPALITIES

Part VI, Chapter 27, Ontario Statutes, 1932

	Procedure File
Tecumseh, Town of	A-3988
East Windsor, City of	A-3995
Sandwich, Town of	A-4004
Sandwich East, Township of	A-4008
Riverside, Town of	A-4010
Sandwich West, Township of	A-4 22
LaSalle, Town of	A-4024
Windsor, City of	A-4420

DEFAULTING ROMAN CATHOLIC SEPARATE SCHOOL BOARDS

Part VI, Chapter 27, Ontario Statutes, 1932

Tecumseh, Town of	A-3988a
East Windsor, City of	A-3995a
Sandwich, Town of	A-4004a
Riverside, Town of	A-4010a

EXTENSION OF DEBENTURE ISSUE PERIOD

(Section 296 (11) (12) of "The Municipal Act")

Municipality	By-law No.	Purpose	Amount	Procedure File
Gloucester, Township of	8 (1928)	Drainage Work	8,796 85	A-4372a
Rosseau, Village of	40	Hydro-Electric Distribution System.	15,000 00	A-4424

EXTENSION OF TIME TO PASS BY-LAWS

(Section 295 (5) of "The Municipal Act"

Municipality	By-law No.	Purpose	Amount	Procedure File
York, Township of....	434	Watermain in Water Area No. 3...	$3,415 00	A-3948
York, Township of....	435	Watermain in Water Area No. 4...	7,410 00	A-3949
Kingston, City of......	27 (1931)	Aid to Queen's University.........	150,000 00	A-4110a

FLOATING INDEBTEDNESS

(Authority to Municipality to Issue Debentures to pay—Section 78 (d) of Part V of Chapter 27, Ontario Statutes, 1932)

Municipality	By-law No.	Amount	Procedure File
Kincardine, Town of........	1056	$16,355 00	A-4020
Kenora, Town of................................	1081	65,000 00	A-4245
Cobourg, Town of................................	1492	20,000 00	A-4302
Capreol, Town of................................	——	32,500 00	A-4370
New Liskeard, Town of............................	662	31,796 89	A-4390
Mattawa, Town of................................	237	12,000 00	A-4474
Port Arthur, City of..............................	——	215,275 16	A-4484

FIRE HALLS, FIRE ENGINES, ETC.

("The Municipal Amendment Act, 1931," Chapter 50, Section 27)

Ottawa, City of—Fire Apparatus............................	$15,000 00	A-4263

"THE (MUNICIPAL) FRANCHISES ACT"

(Section 4, Chapter 240, R.S.O., 1927)

Brantford, City of—Approval By-law 2342 respecting Agreement—Mohawk Coach Lines, Ltd., Brantford Municipal Railway Commission and City of Brantford..	A-4328

HIGHWAYS (NARROW)

(Section 490 (2) of "The Municipal Act")

Municipality	By-law No.	Purpose	Procedure File
York, Township of........	11125	Opening, etc., of Nickle Street (40′).......	A-3867a
York, Township of........	11120	Opening of Cobalt Avenue (40′)..........	A-3867b
Bracebridge, Town of......	573	Extension of Queen Street from Shier Street to Shier Avenue (40′)...............	A-3997
Hamilton, City of.........	4410	Widening of Bowman Street, between Willowdale Avenue and 441 feet north of Sussex Street (30′).................	A-4062
Gloucester, Township of....	14 (1932)	Opening of highway across Lots 114 and 208, Stanley Avenue to Billings Avenue (40′)..............................	A-4365

"THE HOUSING ADJUSTMENT ACT, 1927"

(Section 5, Chapter 74)

	Procedure File
Long Branch, Village of, vs. Township of Etobicoke—Adjustment of liability in respect to arrears accrued prior to incorporation of Junior Municipality (Village of Long Branch)..	A-3966

HIGHWAYS—DEFERRED WIDENING OF

(Chapter 233, R.S.O., 1927—Section 343)

Ottawa, City of—By-law 7036—Deferred Widening of Gladstone Avenue, from Elgin Street to Bank Street. Appointment of Arbitrators................ A-4077

INCREASED BORROWINGS BY MUNICIPALITIES

(Section 334 (7) of "The Municipal Act," as re-enacted by Section 12, Chapter 29, Ontario Statutes, 1932).

Municipality	Requirements for 1932	Procedure File
Lennox and Addington, County of	$210,000 00	A-4147
Lincoln, County of	423,041 05	A-4153
Shuniah, Municipality of	42,451 00	A-4226
Mimico, Town of	100,000 00	A-4227
Orillia, Town of	100,000 00	A-4231
Almonte, Town of	85 %	A-4244
Kenora, Town of	90 %	A-4246
Essex, Town of	90 %	A-4256
Sudbury, City of	90 %	A-4282
North Bay, City of	90 %	A-4293
Prescott, Town of	30,000 00	A-4298
Sudbury, City of	100 %	A-4282
Weston, Town of	90,000 00	A-4325
Cache Bay, Municipality of	10,000 00	A-4344
Port Arthur, City of	90 %	A-4377
Blind River, Town of	20,000 00	A-4381
Orillia, Town of	179,000 00	A-4231a
North Bay, City of	100 %	A-4293a
Haileybury, Town of	100 %	A-4436
Saltfleet, Township of	90 %	A-4443
Mimico, Town of	121,000 00	A-4227a
Preston, Town of	30,000 00	A-4448
Kincardine, Town of	32,000 00	A-4455
Dundas, Town of	90 %	A-4477

INTEREST INCREASE BY-LAWS

Approval of, under Section 300 of "The Municipal Act" (Chapter 233, R.S.O., 1927)

Municipality	Debenture By-law No.	Purpose	Interest Increase By-law No.	Rate	Amount	Procedure File
Grimsby, Town of	693	Unemployment Relief Works	697	5–6 %	$49,376 81	A-3869
Thessalon, Town of	9 (1931)	Unemployment Relief Works	(2) 1932	5–6 %	22,000 00	A-3890
Niagara Falls, City of	1973	Unemployment Relief Works	2033	5–6 %	15,721 20	A-3939a
Niagara Falls, City of	1981	Unemployment Relief Works	2034	5–6 %	35,000 00	A-3929b
Niagara Falls, City of	1994	Unemployment Relief Works	2035	5–6 %	50,000 00	A-3929c
Brantford, City of	2300	Maturing instalments of principal due in 1931	2314	5–5½ %	30,000 00	A-3953
Brantford, City of	2303	Unemployment Relief Works	2315	5–5½ %	89,600 00	A-3954
Wentworth, County of	939	Highway Construction	950	5½–6 %	30,815 37	A-3984
Lindsay, Town of	1906	Unemployment Relief Works	1919	5–5½ %	16,095 67	A-4016
Smiths Falls, Town of	2063	Local Improvements	2068	5–6 %	30,884 45	A-4026

INTEREST INCREASE BY-LAWS—Continued

Municipality	Debenture By-law No.	Purpose	Interest Increase By-law No.	Rate	Amount	Procedure File
Sarnia, City of........	1881	Storm Sewer Outlet..........	1975	5–6%	81,500 00	A-4031
Sarnia, City of........	1916	Sewage Pumping Station	1976	5–6%	16,000 00	A-4031a
New Liskeard, Town of	645	Pavements........	666	5½–6%	97,590 56	A-4043
Niagara, Town of......	984	Unemployment Relief Works.....	996	5–6%	19,800 00	A-4092
Kingston, City of......	27 (1931)	Re-construction Queen's University..	21	4½–6%	150,000 00	A-4110
			(1932)	4½–6%	150,000 00	A-4110
Ancaster, Township of.	816	Waterworks System, etc..............	825	5–6%	41,454 04	A-3920a
Marmora, Village of...	286	Unemployment Relief Works.....	288	5½–6%	5,500 00	A-4133
Kingston, City of......	27 (1931)	Reconstruction Queen's University	25 (1932)	4½–6%	150,000 00	A-4110b
Smiths Falls, Town of..	2063	Local Improvements	2071 amending 2068		30,884 45	A-4026a
Fenelon Falls, Village of	840	Unemployment Relief Works.....		4½–6%	2,317 92	A-4145a
Fenelon Falls, Village of	841	Fire Engine........	....	......	6,100 00	A-4145b
Smiths Falls, Town of..	2063	Local Improvements	2073 in lieu of 2071	......	30,884 45	A-4026b
Weston, Town of......	627	Arbitrator's Award re Union S.S. No. 21	688	5–6%	8,000 00	A-4173a
Weston, Town of......	665	Fire Engine, etc....	689	5–6%	3,500 00	A-4173b
Weston, Town of......	635	Corporation's share of cost of Railway Subway	690	5–6%	10,000 00	A-4173c
Weston, Town of......	614	Local Improvements	691	5–6½%	38,671 60	A-4174a
Weston, Town of......	638	Local Improvements	681	5–6½%	13,334 91	A-4174b
Weston, Town of......	639	Local Improvements	682	5–6½%	4,605 78	A-4174c
Weston, Town of......	640	Local Improvements	692	5–6½%	4,458 72	A-4174d
Weston, Town of......	641	Local Improvements	693	5–6½%	681 19	A-4174e
Weston, Town of......	642	Local Improvements	694	5–6½%	2,897 08	A-4174f
Weston, Town of......	643	Local Improvements	695	5–6½%	1,734 78	A-4174g
Weston, Town of......	644	Local Improvements	696	5–6½%	2,408 20	A-4174h
Weston, Town of......	645	Local Improvements	697	5–6½%	4,205 09	A-4174i
Weston, Town of......	646	Local Improvements	698	5–6½%	764 46	A-4174j
Weston, Town of......	647	Local Improvements	699	5–6½%	633 36	A-4174k
Weston, Town of......	648	Local Improvements	700	5–6½%	3,760 28	A-4174l
Weston, Town of......	649	Local Improvements	701	5–6½%	1,079 69	A-4174m
Weston, Town of......	650	Local Improvements.	702	5–6½%	1,487 60	A-4174n
Weston, Town of......	651	Local Improvements	703	5–6½%	13,356 76	A-4174o
Weston, Town of......	653	Local Improvements	704	5–6½%	609 62	A-4174p
Weston, Town of......	654	Local Improvements	705	5–6½%	428 34	A-4174q
Weston, Town of......	655	Local Improvements	706	5–5½%	1,488 58	A-4174r
Weston, Town of......	656	Local Improvements	707	5–6½%	784 47	A-4174s
Weston, Town of......	657	Local Improvements	708	5–6½%	837 00	A-4174t
Weston, Town of......	658	Local Improvements	709	5–6½%	389.45	A-4174u
Leeds and Grenville, Counties of.........	1321	Highway Improvements in Village of Athens 1931............	1335	5–6%	13,000 00	A-4175
Sarnia, City of........	1881	Storm Sewer Outlet.	1997	5–5½%	81,500 00	A-4345a-b
Sarnia, City of........	1916	Sewage Pumping Station..........	1999	5–5½%	16,000 00	A-4346a-b
Niagara, Town of......	984	Unemployment Relief Works.....	1001	Making interest payable half-yearly	19,800 00	A-4092a
Galt, City of..........	2910	Bridge Reconstruction	——	4½–5%	53,300 00	A-4407b

INTEREST DECREASE BY-LAWS

Approval of, under Section 300 of "The Municipal Act"
(Chapter 233, R.S.O., 1927)

Municipality	Debenture By-law No.	Purpose	Interest Decrease By-law No.	Rate	Amount	Procedure File
Sarnia, City of	1993	Unemployment Relief Works	2000	6–5½%	$79,800 00	A-4347
Sarnia, City of	1994	Unemployment Relief Works	2001	6–5½%	16,000 00	A-4348
Preston, Town of	1098	Unemployment Relief Works	1101	6–5½%	27,000 00	A-4358

LEGISLATION (SPECIAL)

	Procedure File
Essex Border Utilities Commission; Town of Ojibway, vs.—Appeal from Report of Engineer of said Commission re apportionment of cost of Filtration Plant	A-3863
Carleton, County of—Approval proposed By-law 1033 and issue of debentures thereunder ($25,000 for highway construction)	A-3990
Niagara Falls, City of—Approval By-law 2049, licensing, etc., of lodging houses, etc.	A-4021
Smiths Falls, Town of—Approval Agreement with Frost Metal Industries, Ltd.	A-4027
Niagara Falls, City of—Approval By-law 2055 respecting signs, bill-boards, etc.	A-4034
Sarnia, City of—Approval issue of debentures under By-law 1971, $13,944.67 for Local Improvements (Sidewalks, etc.)	A-4039a
Sarnia, City of—Approval issue of debentures under By-law 1972, $14,340.16 for Local Improvement (Opening, etc., of Campbell Street)	A-4039b
Sarnia, City of—Approval issue of debentures under By-law 1973, $74,353.48 for Local Improvements (Pavements)	A-4039c
York, Township of—Approval of passing of By-law and debenture issue thereunder re sewer on Sanderstead Avenue ($2,500.00)	A-4047a
York, Township of—Approval By-law 11187, prescribing building line on portion of Weston Road	A-4093
York, Township of—Approval of debenture issue under By-law 11196 (Consolidating By-laws 11150, 11156, 11158 and 11159), for Local Improvements (Sidewalks, Sewers and Watermains)	A-4172
York, Township of—Approval of debenture issue under By-law 11153, Construction of Subway under C.P.R. and C.N.R. tracks opposite Ray Avenue	A-4199
Windsor, City of—Approval By-law 4121, compromise of certain tax arrears, including penalties	A-4223
Scarborough, Township of—Approval debenture issue under By-laws 1835, 1836 and 1837	A-4239a-b-c
Sarnia, City of—Approval debenture issue under By-laws 1990, etc., purchase of Public Park	A-4257
Sarnia, City of—Approval debenture issue under By-law ——, $79,800 for Unemployment Relief Works	A-4291a
Sarnia, City of—Approval debenture issue under By-law ——, $27,174 for Unemployment Relief Works	A-4321a
Sarnia, City of—Approval debenture issue under By-law 1881, $81,500 for Storm Sewer Outlet	A-4345c
Sarnia, City of—Approval debenture issue under By-law 1916, $16,000 for Sewage Pumping Station	A-4346c
Cobourg, Town of—Approval debenture issue, $6,500 for Fire Pumper	A-4349
Gloucester, Township of—Approval debenture issue under By-law 8 (1928), $8,796.85 for Drainage Work	A-4372b
York, Township of—Approval By-law 11217, building restrictions on portions of Vaughan and Weston Roads	A-4379
Scarborough, Township of—Approval By-law 1851, combining offices of Treasurer and Tax Collector	A-4402
York, Township of—Approval debenture issue under By-law 11229, $10,000 for purposes of School Section No. 25	A-4462

LOCAL IMPROVEMENTS

(Section 8 of "The Local Improvement Act" as re-enacted by Section 2, Chapter 29, Ontario Statutes, 1932)

Municipality	Date of first publication of notice on intention	Work	Procedure File
Toronto, City of	Dec. 30th, 1931	Concrete sidewalk, etc., north side Heath Street East, between Cornish Road and Hudson Drive	A-3881
Hamilton, City of	Feb. 10th, 1932	Sewer on Queensdale Street, between Wellington and Melville Streets	A-3950
North York, Township of	Mar. 24th, 1932	Sidewalk west side Yonge Street, from Hogg's Hollow Bridge to Finch's Corners	A-4007
Toronto, City of	April 8th, 1932	Extension of Sewer on Ashland Ave.	A-4080
Woodstock, City of	April 26th, 1932	Pavement on Victoria Avenue, etc.	A-4058
Port Dover, Village of	May 6th, 1932	Sewers—parts Grace and Water Streets.	A-4079
Peterborough, City of	May 6th, 1932	Sewers—Princess Street and O'Carroll Avenue	A-4088
Peterborough, City of	May 6th, 1932	Sidewalks, O'Carroll and other streets	A-4088a
Weston, Town of	May 11th, 1932	Storm Sewer on Coulter Avenue, etc.	A-4124
Woodstock, City of	June 4th, 1932	Pavement on Vansittart Avenue, from Admiral Street north to Corporation limit	A-4126
Ottawa, City of	April 21st, 1932	Resurfacing pavement on Hurdman's Road, etc.	A-4095
East York, Township of	May 20th, 1932	Curbs, Logan Avenue, etc., and Sidewalks on Sammon Avenue	A-4138
Kitchener, City of	April 7th, 1932	Sewer on Guelph and Arnold Streets	A-4139
Toronto, City of	May 28th, 1932	Sewer on Duke and Richmond Streets and Manning Avenue	A-4160
Ottawa, City of	June 9th, 1932	Resurfacing of pavement on Sussex Street from Cumberland Street to Stanley Avenue	A-4161
St. Catharines, City of	May 30th, 1932	Sewers on Lisgar and other Streets	A-4162
Kitchener, City of	June 2nd, 1932	Concrete walk on east side West Avenue from present end to Wilmot Street	A-4171
Ottawa, City of	June 23rd, 1932	Sidewalks on Bullman Street, etc.	A-4181
Simcoe, Town of	June 6th, 1932	Sanitary Sewers, Woodhouse Street, etc.	A-4182
Ottawa, City of	Mar. 11th, 1932	Widening of Gladstone Avenue	A-4077a
Brantford, City of	June 20th, 1932	Sewer and Sidewalk, Lyons Avenue	A-4194
Ottawa, City of	July 6th, 1932	Sidewalks, Arlington Avenue, etc.	A-4195 & a
Weston, Town of	June 17th, 1932	Sidewalk, Denison Ave.	A-4205
Ottawa, City of	June 23rd, 1932	Sewer, Ruskin Street	A-4206
Peterborough, City of	July 6th, 1932	Curbs, Walkerfield and Homewood Aves.	A-4216
Etobicoke, Township of	June 29th, 1932	Sewer, Church and Cambridge Streets	A-4221
East York, Township of	June 25th, 1932	Pavement and curb, Woodbine Avenue.	A-4225
Chatham, City of	June 21st, 1932	Sidewalk, north side of King Street	A-4228
Owen Sound, City of	July 8th, 1932	Sewer, 13th Street East and 4th Avenue East	A-4229
Peterborough, City of	July 6th, 1932	Sidewalks, Mark Street, Dublin Street, Maria Street and Birdsall Street	A-4216a
Guelph, City of	July 9th, 1932	Sidewalks, Armstrong Avenue, Water Street, Marion Street, Inkerman Street and Ferguson Street	A-4234
Chatham, City of	July 13th, 1932	Resurfacing portion of Wellington Street East and sewer on part Queen Street.	A-4242
Ottawa, City of	July 21st, 1932	Pavement, Parent Avenue and Sidewalk Plymouth Avenue	A-4248
Ottawa, City of	August 4th, 1932	Sewer on Chapel Street	A-4258
Ottawa, City of	August 4th, 1932	Sidewalks on west side King Edward Avenue, etc.	A-4259
Ottawa, City of	Aug. 17th, 1932	Sidewalks on south side Slater Street, etc.	A-4260 & a
Peterborough, City of	Aug. 9th, 1932	Pavement on Louis Street	A-4272
Peterborough, City of	Aug. 9th, 1932	Sidewalks on Lansdowne Street and Monaghan Road	A-4272a
Ottawa, City of	July 6th, 1932, & Aug. 4th, 1932	Sidewalk on north side of Arlington Avenue, west side King Edward Ave. and east side Lyon Street	A-4276

LOCAL IMPROVEMENTS—Continued

Municipality	Date of first publication of notice of intention	Work	Procedure File
Brampton, Town of	Aug. 25th, 1932	Sidewalk southeast side Queen Street West	A-4287
Prescott, Town of	Sept. 1st, 1932	Pavement on King Street	A-4303
Kingston, City of	May 26th, 1932, July 4th and 29th, 1932	Pavement on Hill Street, etc.; widening of pavement on Union Street and pavement on Alfred Street	A-4305
Paris, Town of	Aug. 25th	Pavement on Grand River Street and Dumfries Street	A-4314
Belleville, City of	Sept. 29th, 1932	Sidewalks, Brock and Purdy Streets	A-4322
Ottawa, City of	Sept. 9th, 1932	Sidewalks, Hawthorne Avenue	A-4327
Hespeler, Town of	Sept. 15th, 1932	Pavement, Avenue Road	A-4341
Kingston, City of	Sept. 10th, 1932	Pavement, etc., Macdonnell Street, etc.	A-4343
East York, Township of	Sept. 22nd, 1932	Sidewalks, Westwood Avenue, etc.	A-4355
Chatham, City of	Sept. 22nd, 1932	Sidewalks, south side of King Street	A-4359
Toronto, City of	Oct. 7th, 1932	Sewer on Richmond Street, Niagara to Tecumseth Street	A-4371
East York, Township of	Oct. 7th, 1932	Sidewalks south side Cosburn Avenue	A-4391
Brampton, Town of	Sept. 21st, 1932	Sanitary Sewer on Chapel Street	A-4393a
Brampton, Town of	Sept. 20th, 1932	Sanitary sewer on Railroad Street	A-4393b
Brampton, Town of	Sept. 20th, 1932	Storm drain on Guest Street and Beatty Avenue	A-4393c
Kingston, City of	Oct. 15th, 1932	Concrete walks, etc., on Alica and other Streets	A-4408
Toronto, City of	Oct. 21st, 1932	Pavement on Cherry Street	A-4411
Forest Hill, Village of	Oct. 28th, 1932	Storm and sanitary sewers, Castlefield Avenue, etc.	A-4417
Kingston, City of	Oct. 28th, 1932	Asphalt walk on William Street	A-4418
Ottawa, City of	Nov. 10th, 1932	Sidewalks, Arlington Avenue, Helena Street and Guiges Avenue and pavement on Albert Street	A-4456
Ottawa, City of	Nov. 10th, 1932	Sewer on Range Road and Mann Avenue	A-4457

LOCAL IMPROVEMENTS—PART ONLY OF WORK

Section 18 of "The Local Improvement Act"

(Chapter 235, R.S.O., 1927)

Municipality	Amending By-law No.	Original By-law No.	Procedure File
York, Township of	11132	10756	A-3868
Toronto, City of	13463	12868	A-3870a
Toronto, City of	13464	13318	A-3870b
Toronto, City of	13465	12974	A-3870c
Toronto, City of	13478	13229	A-3870d
Toronto, City of	13479	13229	A-3870e
Toronto, City of	13480	12868	A-3870f
Toronto, City of	13528	12830	A-3910
Toronto, City of	13529	13370	A-3910a
Brockville, Town of	B. 1766	B. 1754	A-4109a
Brockville, Town of	B. 1767	B. 1733	A-4109b
Toronto, City of	13654	13572	A-4115
Brantford, City of	2330	2240, 2269 and 2273	A-4149
Nepean, Township of	1185	1165, 1166, 1168 and 1169	A-4152
York, Township of	11201	11089	A-4222
Brampton, Town of	997	956	A-4230
Mimico, Town of	861	822	A-4362

LOCAL IMPROVEMENTS—APPORTIONMENT OF COST

Section 26 (3) of "The Local Improvement Act"
(Chapter 235, R.S.O., 1927)

Municipality	By-law No.	Purpose	Procedure File
Ottawa, City of	7276	Sewer on Craig and Percy Streets.	A-3864
Ottawa, City of	7286	Sidewalk on By Ward Market	A-3887
Brockville, Town of	B-1750½	Pavements, etc. (By-laws 1733, 1738 and 1740)	A-3986a
Ottawa, City of	7353	Sidewalk on Parent Avenue, Clarence to Water Street	A-4002
Belleville, City of	3074 Amending 3017 and 3041)	Sidewalks on portions of John and other streets	A-4085
Forest Hill, Village of	583	Pavement on portion of Eglinton Avenue (Bathurst Street to Lyon Avenue)	A-4097
Forest Hill, Village of	584	Pavement on portion of Eglinton Avenue (Bathurst Street to Chaplin Crescent)	A-4142
Chesterville, Village of	....	Pavement on Victoria Street	A-4188
North Bay, City of	1087	Pavements on John Street, etc	A-4478c

POWER COMMISSION AND PUBLIC UTILITIES

(Chapter 57, R.S.O., 1927, as enacted by Chapter 13, Section 3, Ontario Statutes, 1931)

	Procedure File
Township of Nepean vs. Hydro-Electric Power Commission of Ontario—Erection of two towers on Cameron Avenue, at or near the Police Village of Westboro, in the said Township	A-3899

REPEAL OF MONEY BY-LAWS AS TO RESIDUE NOT RAISED

(Section 301 (2) of "The Municipal Act")

Municipality	Original By-law No.	Purpose	Debentures authorized	New By-law No.	Residue not required	Procedure File
Macauley, Township of	180	Highway Construction,	$2,250 00	184	$800 00	A-4130
Wiarton, Town of	306	Hydro-Electric Power Distribution System	52,000 00	342	7,276 68	A-4319
Galt, City of	2860	Bridge reconstruction	65,000 00	2910	11,700 00	A-4407a

RESTRICTED AREAS

(Section 398 of "The Municipal Act")

Municipality	By-law No.	Area Restricted	Procedure File
Forest Hill, Village of	531	Eglinton Avenue, from Belt Line Railway to 200′ east of easterly line of Bathurst Street	A-3866
Maidstone, Township of	1326	Summer Resort District	A-3916
East Flamborough, Township of	844	Broken Front Concession and that part of Concession 1 lying south-easterly of C.N. Railway (main line) running through said Concession 1, and north-westerly half of Lot 13	A-3959

RESTRICTED AREAS—Continued

Municipality	By-law No.	Area affected	Procedure File
Leaside, Town of	294	(a) Soudan Avenue, between east limit of Bayview Avenue and west limit of Sutherland Drive, and (b) Millroad, between west limit of Hanna Road and east limit of Bayview Avenue.	A-3975
Toronto, City of	13587	Queen Street East, from Woodbine Avenue to east City limits and Kingston Road, from Main Street to east City limit	A-3980
Nelson, Township of	939	Hampton Court and Roseland Crescent	A-4129
Saltfleet, Township of	1026	Whole Township (prohibiting use of any vehicle or conveyance for passengers or freight, as dwelling house)	A-4288
Ottawa, City of	7527	Certain Areas in St. George's Ward	A-4308
Ottawa, City of	7528	Flora Street, from Bay Street to Percy Street	A-4309
Toronto, City of	13736	Area bounded by Hillcrest Drive, Davenport Road, Bracondale Hill and Turner Roads	A-4324
Belleville, City of	3101	Front and other Streets	A-4426
Toronto, City of	13771	Portions of Clendenan Avenue, Glendonwynne Road, Quebec Avenue and Evelyn Crescent	A-4444

REPEAL OR AMENDMENT OF RESTRICTED AREAS

(Section 398 (2b) of "The Municipal Act")

Municipality	Amending By-law No.	Original By-law No.	Area affected	Procedure File
Forest Hill, Village of	609	531	Addition to area of Spadina Road, 100′ south of south street line of Eglinton Ave	A-3866a
Kitchener, City of	2280	1823 (amended by 1834 & 1835)	Addition of certain area to Section "C," Business Districts, Section 4.	A-3908
Toronto, City of	13540	9285	Dwelling on Lot 99, Plan 930, west side Spadina Road—Conversion into a duplex	A-3804a
East York, Township of	2370	1243 (amended by 1859 & 1347)	Part Lot 4, Plan 94 (additions to Clause 1) (b)	A-3958
Toronto, City of	13495 as amended by 13537	12958	South-east corner of Avenue Road and Glenview Avenue	A-3971
Toronto, City of	13649	13587	Queen Street and Kingston Road	A-3980a
Toronto, City of	13670	11309	Conversion of No. 130 Tyndall Avenue into duplex dwelling house	A-4094
Toronto, City of	13657	12958	Corner of Glenview and Coldstream Avenues	A-4136
Ottawa, City of	7454	5997	Certain Area in Dalhousie Ward—Erection of two-family houses	A-4163
Toronto, City of	13750	12604	Lands of Upper Canada College—South side Kilbarry Road (erection of rink building)	A-4351

SINKING FUNDS

(Approval of Investment of, under Section 317 of "The Municipal Act")

Municipality	Sinking Fund Investment By-law	Debenture By-law	Purpose	Amount	Procedure File
Sault Ste. Marie, City of.	1505	1458, 1069 and 1162	Public and High School Purposes and Sewer Construction	$100,604 67	A-3941
Owen Sound, City of	616	615	Provincial Highway Construction	45,000 00	A-3955a
Richmond Hill, Village of.	420	418	Purposes of North Yonge Railway	7,486 20	A-4001
Brockville, Town of	B-1761	B-1760	Local Improvements—Pavements, etc.	16,168 04	A-3986b
Sault Ste. Marie, City of.	1513	1500, 1501 and 1502	Road Construction, etc.	90,000 00	A-4197d
Galt, City of	2903	2899	Unemployment Relief Works	8,460 00	A-4204
Galt, City of	2913	2910	Bridge Reconstruction	53,300 00	A-4437

TAX RATE

(Section 306, subsection (2) of "The Municipal Act")

Municipality	By-law No.	Purpose	Amount	Procedure File
Burks Falls, Village of	....	Waterworks Construction	$2,000 00	A-3896
Sturgeon Falls, Town of	693	Unemployment Relief Works (Sewers)	45,000 00	A-3909a
Hanover, Town of	515	Unemployment Relief Works (Sewers)	21,800 00	A-3918a
Hanover, Town of	—	Portion of cost of Activated Sludge Sewage Disposal Plant	10,250 00	A-3965
Penetanguishene, Town of	779	Waterworks Extensions	5,000 00	A-4013a
Penetanguishene, Town of	780	Unemployment Relief Works (Pavements)	20,000 00	A-4014a
Mimico, Town of	850	Unemployment Relief Work—Enlargement, in part, of Sewage Disposal Plant	100,000 00	A-4028a
Sterling, Village of	410	Waterworks System	28,200 00	A-4042
Sturgeon Falls, Town of	698	Pavements (Corporation's share)	12,000 00	A-4045a
York, Township of	—	Service Sewer, Sanderstead Ave.	2,500 00	A-4047
West Lorne, Village of	340	Waterworks Construction	55,000 00	A-4078a
Almonte, Town of	811	Completion of Waterworks and Sewerage Systems	35,000 00	A-4084
Almonte, Town of	812	Sanitary Conveniences	7,718 94	A-4084a
Brantford, City of	2324	Consolidation of floating debt	175,000 00	A-4096
Thorold, Town of	1182	Local Improvements — Pavements	3,922 44	A-4168a
Thorold, Town of	1183	Local Improvements — Pavements	3,898 93	A-4168b
Thorold, Town of	1185	Local Improvements — Pavements	7,580 33	A-4168c
Thorold, Town of	1194	Watermains	5,270 73	A-4214
Thorold, Town of	1149	High School Purposes	2,124 84	A-4220
Sterling, Village of	—	Waterworks System	28,200 00	A-4042a
Huntsville, Town of	536	Unemployment Relief Works	16,000 00	A-4289a
Huntsville, Town of	538	Filtration Plant	27,500 00	A-4290
Port Colborne, Town of	135 (1932)	Local Improvements—Watermains and sidewalks	$19,755 66	A-4294
Port Colborne, Town of	136 (1932)	Local Improvement — Pavement	19,957 88	A-4295
Port Colborne, Town of	137 (1932)	Local Improvement—Watermain	4,849 84	A-4296
Port Colborne, Town of	138 (1932)	Local Improvement—Watermain and Sanitary Sewer	4,190 60	A-4297

TAX RATE—Continued

Municipality	By-law No.	Purpose	Amount	Procedure File
Sterling, Village of.........	414	Waterworks Extensions.......	18,400 00	A-4334
Pembroke, Town of........	——	Unemployment Relief Works—Sewer, etc................	38,169 43	A-4335a
Hanover, Town of........	——	Unemployment Relief Works—Local Improvements........	12,800 00	A-4353
Mimico, Town of.........	850 (amended)	Unemployment Relief Works..	100,000 00	A-4342a
Almonte, Town of........	——	Unit to Electric Power Plant..	10,000 00	A-4329
Preston, Town of.........	1099	Waterworks Extensions.......	30,000 00	A-4354a
Thorold, Town of.........	1199	Unemployment Relief Works—Local Improvements—Pavements....................	5,681 98	A-4412a
Palmerston, Town of......	709	Local Improvements — Pavement and Sewer...........	7,407 25	A-4413a
Palmerston, Town of......	710	Waterworks Extension and Sewer....................	12,670 00	A-4414a
Preston, Town of.........	1105	Waterworks Extensions, etc...	30,174 90	A-4431a
Port Colborne, Town of...	139 (1932)	Completion, etc., of Sewerage System..................	35,000 00	A-4433a
Thorold, Town of.........	1207	Unemployment Relief Works..	8,442 85	A-4461d
Thorold, Town of.........	1208	Unemployment Relief Works...	9,201 82	A-4461e
Thorold, Town of.........	1209	Unemployment Relief Works...	2,010 95	A-4461f
Mimico, Town of.........	867	Unemployment Relief Works...	10,000 00	A-4463a
Haileybury, Town of......	——	Unemployment Relief Works...	53,000 00	A-4450a

TOWNSHIPS—SEPARATION OF JUNIOR FROM UNION OF

Salter, Township of, from Union with Townships of May and Harrow............. A-4140

THE UNEMPLOYMENT RELIEF ACT (ONTARIO), 1931 AND 1932

Municipality	By-law No.	Purpose	Amount	Procedure File
Grimsby, Town of.........	697 (amending 693)	Sewers.....................	$49,376 81	A-3874
Toronto, City of...........	——	Sewers and Watermains.......	161,000 00	A-3886
Stratford, City of..........	3440	Pavements, etc...............	30,000 00	A-3888
Collingwood, Town of......	——	Stone crushing, etc...........	25,000 00	A-3889
Thessalon, Town of........	9 (1931) amended by 2 (1932)	Conservation Dam...........	22,000 00	A-3890a
New Toronto, Town of....	890	Local Improvements—Watermains.....................	12,236 75	A-3905
New Toronto, Town of....	891	Local Improvements—Pavements and Sewers..........	65,096 11	A-3906
Sturgeon Falls, Town of...	693	Sewers......................	45,000 00	A-3909
Ottawa, City of..........	——	Sewers, etc.................	105,400 00	A-3917
Hanover, Town of........	——	Sewers......................	21,800 00	A-3918
Toronto, City of..........	13561	Sewers and Watermains......	161,000	A-3924
Niagara Falls, City of......	1973 (amended by 2033)	Certain Works..............	15,721 30	A-3930a
Niagara Falls, City of......	1981 (amended by 2034)	Certain Works..............	35,000 00	A-3930b
New Toronto, Town of....	891	Local Improvements — Pavements and Sewers..........	39,600 00	A-3936
Kitchener, City of........	——	Corporation's share of cost of C.N.R. Subway...........	147,424 69	A-3960
Hamilton, City of.........	——	Widening of Pavement, etc....	77,995 00	A-3972

THE UNEMPLOYMENT RELIEF ACT (ONTARIO), 1931 AND 1932—CONTINUED

Municipality	By-law	Purpose	Amount	Procedure File
York, Township of	11156	Local Improvements—Sewers, Owners' portion of	21,825 74	A-3977
York, Township of	11158	Local Improvements—Watermains	27,124 32	A-3978
York, Township of	11159	Local Improvements—Watermains	9,134 18	A-3979
East Whitby, Township of	——	Local Improvements—Watermains	7,435 10	A-3987
Smiths Falls, Town of	2063	Local Improvements—Private Drains, Sidewalks, etc.	30,884 45	A-3989
Galt, City of	——	Local Improvements—Sanitary Sewers	22,584 00	A-3998a
Galt, City of	——	Local Improvements — Storm Sewer, Flood Prevention, etc.	8,460 00	A-3998b
York, Township of	11157	Local Improvements—Sewers	74,451 54	A-4012
Penetanguishene, Town of	780	Pavements	20,000 00	A-4014
Hamilton, City of	——	Sewers, etc.	1,089,968 00	A-4023
Mimico, Town of	850	Enlargement in part of Sewage Disposal Plant, etc.	100,000 00	A-4028
Kitchener, City of	——	Grading and gravelling Belmont Avenue and gravelling Hett Avenue	2,736 09	A-4029
Niagara Falls, City of	1981 (amended)	Sewers	35,000 00	A-4032
East York, Township of	2396	Local Improvements—Sewers	124,824 30	A-4038
East York, Township of	2397	Local Improvement—Syphon.	26,753 20	A-4038a
Newmarket, Town of	658	Waterworks System	36,000 00	A-4041
Sturgeon Falls, Town of	698	Corporation's share of Pavements	12,000 00	A-4045
Southampton, Town of	838	Watermains	6,000 00	A-4055
Hespeler, Town of	590	Corporation's share of Storm Drains	11,000 00	A-4065
Waterloo, County of	——	Proportion of cost of improvements to Freeport Sanitarium	16,250 00	A-4083
Galt, City of	——	Proportion of cost of improvements to Freeport Sanitarium	16,250 00	A-4083a
Almonte, Town of	811	Completion of Waterworks and Sewerage System	35,000 00	A-4084
East Whitby, Township of	——	Local Improvements—Watermains	7,435 10	A-3987b
Ottawa, City of	7409	Prevention of Flooding by Rideau River and Burnside Ave. Sewer	105,400 00	A-3917a
Orillia, Town of	1151	Sidewalks, etc.	26,000 00	A-4112a
Orillia, Town of	1152	Sidewalks, etc.	16,000 00	A-4112b
Orillia, Town of	1153	Trunk Sewer	11,400 00	A-4112c
Guelph, City of	——	Sewers, etc.	74,900 00	A-4113
Paris, Town of	856	Local Improvements—Curb and Gutter, Walnut and William Streets	3,988 22	A-4116a
Fort Frances, Town of	1087	Riprap on Bank of Rainy River, etc.	6,460 00	A-4119
Victoria Harbour, Village of.	210	....	6,960 00	A-4135
Paris, Town of	860	Walnut and Catherine Street Drains	10,700 00	A-4116a
Brantford, City of	2333	Storm Sewers	132,846 00	A-4148
Sioux Lookout, Town of	207	Sidewalks, etc.	18,000 00	A-4157
Oshawa, City of	——	Sewers, etc.	170,700 00	A-4167
Casselman, Village of	349	Storm Sewer	2,500 00	A-4180
Dundas, Town of	——	Watermains, etc.	18,000 00	A-4184a
Dundas, Town of	——	Athletic Field	7,500 00	A-4184b
Gravenhurst, Town of	P-172	Local Improvements—Pavements and Sidewalks	11,000 00	A-4185
York, Township of	11199	Street grading	36,000 00	A-4189
Stamford, Township of	477	Local Improvements — Sidewalks and Watermains	3,803 76	A-4193a
Stamford, Township of	478	Local Improvements—Sewers.	10,944 94	A-4193b

THE UNEMPLOYMENT RELIEF ACT (ONTARIO), 1931 AND 1932—CONTINUED

Municipality	By-law No.	Purpose	Amount	Procedure File
New Toronto, Town of	899	Local Improvements—Pavements and Sewers	87,100 00	A-4198
Arthur, Village of	825	Waterworks System	44,000 00	A-4212
Thorold, Town of	1182	Local Improvement—Pavement	3,922 44	A-4213a
Thorold, Town of	1183	Local Improvement—Pavement	3,898 93	A-4213b
Thorold, Town of	1185	Local Improvements—Pavements	7,590 33	A-4213c
Thorold, Town of	1194	Local Improvements—Watermains	5,270 73	A-4213d
Brampton, Town of	——	Local Improvements—Sewers	106,522 28	A-4230a
Wingham, Town of	1036	Curbs, Storm Sewers, etc.	2,500 00	A-4240
Fort Erie, Town of	735	Local Improvements—Sewers and Watermains	48,867 69	A-4241
Nepean, Township of	1190	Local Improvements—Sewers and Watermains	182,140 86	A-4250
Welland, City of	790	Storm Relief Sewers and Sewers	107,865 10	A-4251a
Welland, City of	791	Sidewalks, Sewers and Ornamental Street Lighting	28,720 73	A-4251b
Niagara Falls, City of	2077	Grading Athletic Fields, etc.	130,000 00	A-4253
Coldwater, Village of	163	Bridges, Sidewalks	4,600 00	A-4261
Preston, Town of	——	Widening and Grading Streets, etc.	27,000 00	A-4271
Collingwood, Town of	——	Stone Crushing, etc.	25,000 00	A-4273
Aurora, Town of	721	Activated Sludge Disposal Plant	47,500 00	A-4274
Waterloo, Town of	1058A	Sewers, etc.	25,000 00	A-4283
Huntsville, Town of	536		16,000 00	A-4289
Sarnia, City of	——	Sewers, Pavements and C.N.R. Viaduct	79,800 00	A-4291
Lindsay, Town of	1923	Town's share of Road Improvements, etc.	11,890 94	A-4300
Cobourg, Town of	1493		10,631 30	A-4302a
St. Catharines, City of	——	Sidewalks, Repairs, etc.	69,500 00	A-4316
Wiarton, Town of	339	Waterworks Purposes	7,500 00	A-4317
Sarnia, City of	——	Watermains	27,174 00	A-4321
Kitchener, City of	2337	Local Improvements—Pavements	62,748 45	A-4326
Fenelon Falls, Village of	——	Local Improvements — Sidewalks	858 58	A-4333
Pembroke, Town of	——	Sewer and Outlet	38,169 43	A-4335
Gananoque, Town of	921	Sidewalks, etc.	12,000 00	A-4337
Barrie, Town of	——	Corporation's share of Sewers	16,000 00	A-4196
Kitchener, City of	2338	Local Improvements—Sewers	4,818 49	A-4326a
Kitchener, City of	——	Cemetery grading, Sewers, etc.	111,984 31	A-4350
Elmira, Town of	614	Extension of Storm Sewer	1,900 00	A-4352
Elmira, Town of	615	Local Improvement—Sewer	2,547 76	A-4352a
Hanover, Town of	——	Local Improvements	12,800 00	A-4353a
Mimico, Town of	850 (amended)	Enlargement in part of Sewage Disposal Plant	100,000 00	A-4342b
Stratford, City of	3482	Construction of Park Drive, Gas Mains, etc.	20,000 00	A-4363
Windsor, City of	4089	Police Signal Systems and Incinerator Repairs	52,069 81	A-4376
Renfrew, Town of	1263	Dams (Golden and Cler Lakes)	17,000 00	A-4378
Mimico, Town of	864	Local Improvements—Watermain and Sewers	4,400 00	A-4380a
Mimico, Town of	865	Local Improvements—Pavements, etc.	60,200 00	A-4380b
Carleton Place, Town of	——	Extension of Waterworks and Sewerage Systems	22,300 00	A-4383
Kingston, City of	——	Direct Relief	60,000 00	A-4389
Milton, Town of	649	Storm Sewers	9,000 00	A-4397
Clarence, Township of	793	Waterworks System, Police Village of Bourget	10,000 00	A-4398
Orillia, Town of	——	Storm Sewers	7,900 00	A-4403
Galt, City of	——	Waterworks Extensions, etc.	41,400 00	A-4407c
Midland, Town of	1311	Street Grading, etc.	75,000 00	A-4409

THE UNEMPOYMENT RELIEF ACT (ONTARIO), 1931 AND 1932—Continued

Municipality	By-law No.	Purpose	Amount	Procedure File
Thorold, Town of	1199	Local Improvements—Pavements	5,681 98	A-4412
Crowland, Township of	260 (1932)	Sewage Disposal Plant, etc.	41,903 78	A-4419
Preston, Town of	1106	Widening and grading of certain Streets, Sewers, etc.	26,825 10	A-4432
Brantford, City of	2333		124,000 00	A-4433
Clarence, Township of	794	Waterworks System, Police Village of Clarence Creek	13,000 00	A-4435
Dundas, Town of	——	Watermains, etc.	18,000 00	A-4442
St. Thomas, City of	2945	Sewers	20,000 00	A-4447a
St. Thomas, City of	2946	Grading, etc., of London and Port Stanley Road	17,500 00	A-4447b
Haileybury, Town of	——	Waterworks Construction	53,000 00	A-4450
Mimico, Town of	866	Local Improvements — Sidewalks	1,150 00	A-4451
Thorold, Town of	1207	Storm Sewers	8,442 85	A-4461a
Thorold, Town of	1209	Water Main	2,010 95	A-4461c
Mimico, Town of	867	Extension, etc., Sewage Disposal Plant	10,000 00	A-4463
Kingston, City of	39 (1932)	Sewer, etc.	116,000 00	A-4473
Cornwall, Town of	29 (1932)	Extension, etc., to Waterworks Distribution System, etc.	27,000 00	A-4475

(POLICE) VILLAGES

Extension of Boundaries of

(Section 515 of "The Municipal Act")

	Procedure File
Warkworth, Police Village of—in Township of Percy, County of Northumberland	A-4208

WATERWORKS

Municipality	By-law No.	Amount	Purpose	Procedure File
East York, Township of	2392	$8,064 55	Watermain in Waterworks Section "F"	A-4036
East York, Township of	2939	3,291 30	Watermain in Waterworks Section "C"	A-4037
Thorold, Township of	——	....	To set apart and establish Water Area No. 2	A-4312
East York, Township of	2440	....	Construction of Watermain in Waterworks Section "C"	A-4360
Etobicoke, Township of	3995	....	Extension of Water Area No. 4	A-4392

WEIGH SCALES AND WEIGHING OF COAL, ETC.

Municipality	By-law No.	Purpose	Procedure File
Leaside, Town of	298	Regulating the weighing of coal and coke	A-3976
Woodstock, City of	2178	Regulating the weighing of coal and coke	A-4292

WORKS ORDERED BY DOMINION RAILWAY COMMISSION AND ONTARIO MUNICIPAL BOARD

(Section 297 (2) (f) of "The Municipal Act," as enacted by Section 18, Chapter 50, Ontario Statutes, 1931)

Brantford, City of	Approval By-law 2347, $20,000.00 for City's share of additional cost of Canadian National Subway at West Street	A-4452

PLANS OF LAND SUBDIVISIONS

Approved by the Board under "The Planning and Development Act," "The Land Titles Act" and "The Registry Act."

Owner	Description	Procedure File
Bathurst Homes Development, Ltd.	Part Township Lot 13, Con. II, west of Yonge Street, Township of North York, County of York	A-4005
Bertram Realty Co., Ltd	Part Lot 17, Con. II, Township of Pickering, County of Ontario	A-4006
Breithaupt, Louis, Estate of, et al.	Parts Lots 3, 4 and 6 of S. Erb's Survey, etc., City of Kitchener	A-4249
Bell, Theodore W.	Parts Lots 8 and 9, Con. 1, Township of Verulam, County of Victoria	A-4301
Coppins, John	Part East half Lot 10, Con. VIII, Township of Fenelon, County of Victoria	A-3884
Cedar Point, Limited	Part Block "C," Registered Plan 587, Lot 26, Con. VI, Township of Innisfil, County of Simcoe	A-4118
Dodds, Robert Roland	Part Lot 5, Broken Front Division "F," formerly in Township, now in City of Guelph	A-4049
Dempsey Brothers	Part Broken Lot 24, Con. 1, Township of Innisfil, County of Simcoe	A-4247
Ferris, Rae B.	Northerly part of Lot 1, Front Concession, Township of Sarnia, County of Lambton	A-3893
Ferguson, T. J. S.	Part Lot 22, Con. I, formerly in Township of Kingston, now in City of Kingston	A-4215
Goss, Herbert	Part Lot 3, Con. I, Township of South Orillia, County of Simcoe	A-4382
Gravelle, Peter P.	Part Lot 13, north half Con. XVIII, Township of Tiny, County of Simcoe	A-4439
Holmes, Shirley M.	Part Lot 134, Talbot Road Range, Township of Raleigh, County of Kent	A-3943
Hill, A. L.	Part Lot 3, Con. VII, Township of Asphodel, County of Peterborough	A-4441
Littles, Francis Hugh, et al	Part Lot 13, Con. IV, Township of Alnwick, County of Northumberland	A-3894
Lanthier, Joseph	Parts Lots 9 and 10, Con. XI, Township of Way, District of Cochrane	A-3912
Murray, Libby	Part Lot 25, Con. X, Township of Innisfil, County of Simcoe	A-3891
"Moosonee Townsite"	(See "Temiskaming & Northern Ontario Railway")	A-4108
McCarthy, Hugh	Part Lot 3, Con. VII, Township of Asphodel, County of Peterborough	A-4441
Neilly, Louis A.	Part Broken Lot 23, Con. XV, Township of West Gwillimbury, County of Simcoe	A-4201
Ottawa Land Association, Ltd., and The Ottawa Electric Railway Company	Lots 157, 152206 and 169018, City of Ottawa	A-4066
Patterson, T. R., et al	Part Block "A" and part Lot 1, Lake Road West, Colborne Township, County of Huron	A-3900
Phillips, Jas. M.	Lots 2 to 6 and part Lot 1, Plan 720, and part Park Lot 8, Plan 69, Town of Dunnville, County of Haldimand	A-4086
Peters, Hugh and Edward	Part Lot 22, Con. I (formerly in Township of Kingston), City of Kingston	A-4159

PLANS OF LAND SUBDIVISIONS—Continued

Owner	Description	Procedure File
Queen's University	Re subdivision of Registered Plan 17 (as amended by Registered Plan 130), or Kingston and Frontenac, City of Kingston	A-4252
Stover, Samuel	Part Lot 1, east of Puce River, Township of Maidstone, County of Essex	A-4235
Temiskaming & Northern Ontario Railway	"Moosonee Townsite" District of Cochrane	A-4108
Thurlow, Township of	Village of Point Ann	A-4143
Topper, W.	Part Lot 16, Con. IX, Township of Whitchurch, County of York	A-4218
Toronto, City of	Amendment to Section 60 of City's General Plan (See also P.F.F. A-2245 (P. 576), A-2465 (P. 585), A-2563 (P. 587) and A-2755 P. 592)	A-4405 (P. 627)
White, Bertha M.	Part Lot 27, Front Concession, Township of Sarnia, County of Lambton	A-4264

LIST OF APPLICATIONS TO THE BOARD UNDER "THE TELEPHONE ACT"

		Procedure File
Addison Rural Telephone Company, Ltd.	Approval of amendment to By-law No. 9, reducing number of Directors from 9 to 5	A-3922
Ansonville Telephone Company, Ltd.	Approval By-law 227, Township of Calvert, use of highways to	A-4102
Arden & Parham Telephone System	Approval agreement for interchange of service with The Clarendon Telephone System	A-4202
Aylmer & Malahide Telephone Company, Ltd.	Approval By-law No. 1, re control and management of its undertaking	A-4307
Aylmer & Malahide Telephone Co., Ltd.	Approval agreement for transfer to of property of Malahide & Bayham Telephone Association, Ltd.	A-4315
Brant, Township of	Approval By-law 132, use of highways to Elhanan Bowman	A-3879
Bowman, Elhanan	Use of highways in Township of Brant under Township of Brant By-law 132	A-3879
Bethesda & Stouffville Telephone Co., Ltd.	Authority to expend $7,000.00 of Depreciation Reserve in purchase of Dominion and Province of Ontario Bonds	A-3940
Burpee, Township of	Approval By-law 235, debenture issue, re establishment of telephone system under Part II of "The Telephone Act" and repealing By-law 234	A-3974
Bracebridge & Muskoka Lakes Telephone Co., Ltd.	Approval of sale of telephone system, etc., to the United Townships of Medora and Wood.	A-3982
Bell Telephone Company of Canada, Ltd.	Approval of purchase from by Township of Chinguacousy Telephone System of certain plant and equipment	A-3996
Bell Telephone Company of Canada, Ltd.	Approval of purchase of undertaking of Tarentorus Telephone Co., Ltd.	A-4033
Bell Telephone Company of Canada, Ltd.	Approval of purchase from by Municipality of Osprey of certain plant and equipment	A-4050
Bell Telephone Company of Canada, Ltd.	Approval of purchase from by Municipality of Euphrasia of certain plant and equipment	A-4051
Beaver Valley Municipal Telephone System	(See A-4051)	......

LIST OF APPLICATIONS TO THE BOARD UNDER "THE TELEPHONE ACT"—Continued

		Procedure File
Bedford, Township of	Approval By-law No. 5, 1932, use of highways to the Westport Telephone Company, Ltd.	A-4106
Bell Telephone Company of Canada, Ltd.	Approval of purchase from by Municipality of Osprey of certain telephone plant, etc.	A-4141
Brown, Gordon, et al, vs. Noisy River Telephone Co., Ltd	Reduction of charges	A-4266
Beeton Telephone Co., Ltd.	Approval of decrease in amount set aside for depreciation	A-4268
Bethesda & Stouffville Telephone Co., Ltd., vs. Home Telephone Co., Ltd.	Manner of connection between subscribers	A-4275
Bexley Telephone Co., Ltd.	Transfer to of undertaking of Head Lake Telephone Co., Ltd.	A-4311
Bell Telephone Company of Canada, Ltd.	Approval of purchase from by Commissioners for telephone system of Township of Colborne of certain telephone plant and equipment	A-4364
Blyth, Municipality of	Approval agreement for interchange of telephone service with Goderich Rural Telephone Co., Ltd.	A-4374
Bell Telephone Company of Canada, Ltd.	Authority to North Monck Municipal Telephone System, to purchase from, certain plant and equipment on highway between Town of Bracebridge and Village of Falkenburg	A-4386
Bell Telephone Company of Canada, Ltd.	Authority to Municipality of Tarbutt and Tarbutt Additional to purchase certain telephone plant and equipment of	A-4394
Bell Telephone Company of Canada, Ltd.	Approval of purchase of certain telephone plant and equipment from by Township of Chinguacousy	A-4410
Bruce Municipal Telephone System	Approval of reinstallation charge	A-4421
Caledonia, Village of	Approval By-law 801, granting use of highways to Dunnville Consolidated Telephone Co., Ltd.	A-3939
Caradoc-Ekfrid Telephone Co., Ltd., vs. Melvin Faulds, et al	Re procedure at annual meeting of subscribers.	A-3967
Chinguacousy Municipal Telephone System	Approval purchase of certain plant and equipment from Bell Telephone Co. of Canada, Ltd.	A-3996
Calvert, Township of	Approval By-law 227, use of highways to Ansonville Telephone Co., Ltd.	A-4102
Caledon, Township of	Liquidation of part debentures issued re establishment of Caledon Municipal Telephone System by issue of new debentures payable in 15 years	A-4125
Caledon, Township of	Approval By-law 979 providing for liquidation of portion of principal of debentures under By-law 823 to meet cost of establishing Caledon Municipal Telephone System	A-4156
Clarendon Telephone System	Approval agreement for interchange of service with The Arden & Parham Telephone System	A-4202
Conboy, H. A., vs. Everett R. Scott and Robt. H. Francis	Connection at Sharbot Lake	A-4270
Colborne, Township of, Municipal Telephone System	Approval purchase of certain telephone plant and equipment from the Bell Telephone Co., Ltd.	A-4364
Colborne Municipal Telephone System	Approval agreement for interchange of service with Goderich Rural Telephone Co., Ltd.	A-4373
Chinguacousy Municipal Telephone System	Approval purchase of certain telephone plant and equipment from Bell Telephone Co., Ltd.	A-4410

LIST OF APPLICATIONS TO THE BOARD UNDER "THE TELEPHONE ACT"—Continued

		Procedure File
Dunnville Consolidated Telephone Co., Ltd.	Approval By-law 801 of Village of Caledonia, granting use of highways to	A-3939
Dungannon, Township of	Use of highways to Department of Lands and Forests	A-4217
Dysart, et al, United Townships of	Approval By-law 875, issue of debentures to meet cost of extensions to Dysart Municipal Telephone System	A-4269
Dover Municipal Telephone System	Increased charges	A-4440
Erin, Township of	Approval By-law 12 (1931) debenture issue to liquidate a portion of principal of debentures issued under its By-law 12 (1922) establishment of municipal telephone system	A-3885
Emily, Township of	Approval By-law 608, debentures to meet cost of construction of certain extensions to its telephone system	A-3938
Erin, Township of	Approval By-law 5 (1932) debenture issue re extensions, etc., to the Erin Municipal Telephone System	A-4040
Euphrasia, Municipality of	Approval purchase of certain plant and equipment of the Bell Telephone Company of Canada, Ltd.	A-4051
East Ferris, Township of	Approval By-law 739B, debenture issue re establishment of telephone system under Part II of "The Telephone Act"	A-4103
Emily, Township of	Approval debenture By-law 614, Extension to Municipal Telephone System	A-4114
Erin, Township of	Approval By-law 11 (1932), liquidation by new issue of portion of debentures under By-law 12 (1922), establishment of telephone system.	A-4375
Faulds, Melvin, et al, vs. Caradoc-Ekfrid Telephone Co., Ltd.	Procedure at annual meeting of subscribers	A-3967
Francis, Robt. H. and Everett Scott, et al, vs. H. A. Conboy	Connection at Sharbot Lake	A-4270
Forestry Branch	See "Lands and Forests" Dept. of, Ontario	A-....
Greenock, Township of	Approval By-law 778, use of highways to N. J. Wright	A-3957
Goderich Rural Telephone Co., Ltd.	Approval expenditure of portion of Reserve Depreciation Fund on new construction, etc.	A-4146
Gordon Telephone Co., Ltd.	Use of highways in Township of Gordon	A-4267
Goderich Rural Telephone Co, Ltd.	Approval agreement for interchange of service with Township of Colborne Municipal Telephone System	A-4373
Goderich Rural Telephone Co., Ltd.	Approval agreement for interchange of service with Blyth Municipal Telephone System	A-4374
Goderich Rural Telephone Co., Ltd.	Approval agreement for interchange of service with Huron & Kinloss Municipal Telephone System	A-4476
Head Lake Telephone Co., Ltd.	Transfer of undertaking to Ruby Telephone Co., Ltd., et al	A-4311
Haldimand, Township of	Approval By-law 124, debenture issue re establishment of telephone system under Part II of "The Telephone Act"	A-3880
Humphrey, Township of	Approval passing of By-law, issue of debentures amount not exceeding $1,500.00, reconstruction, alterations and replacements to Humphrey Municipal Telephone System	A-4134
Home Telephone Co., Ltd., vs. Bethesda & Stouffville Telephone Co., Ltd.	Manner of connection between subscribers whose lines terminate in Village of Claremont	A-4275
Home Telephone Co., Ltd., vs. Sunderland Telephone Co., Ltd.	Complaint re parallelling of lines of applicant	A-4395
Home Telephone Co., Ltd., vs. W. M. Palmer, et al	Service and terms therefor	A-4396
Huron, Township of	Approval agreement for interchange of service between telephone system of and Goderich Rural Telephone Co., Ltd.	A-4476

LIST OF APPLICATIONS TO THE BOARD UNDER "THE TELEPHONE ACT"—Continued

		Procedure File
Ingersoll Telephone Co., Ltd.	Approval By-law 20/1/32, re calling of shareholders meetings	A-3892
Ingersoll Telephone Co., Ltd.	Approval By-laws 1–7 inclusive	A-4072
Iron Bridge Telephone Co., Ltd.	Approval agreement for interchange of service with Forestry Branch of Department of Lands and Forests of Ontario	A-4306
Kerns Municipal Telephone System	Authority to Northern Telephone Co., Ltd., to parallel lines of in Township of Hudson	A-4155
Laird, Township of	Approval By-law 174 as amended by 179, debenture issue re cost of certain reconstruction, etc., to its Municipal Telephone System	A-4044
Lambton Telephone Co., Ltd., vs. Municipality of Moore	Complaint re erection of poles upon concessions 11 and 12 and upon side road between Lots 20 and 21, concession 11, Township of Sombra	A-4070
Lambton Telephone Co., Ltd., vs. Municipality of Moore	Complaint re erection of poles upon highway from Main Street, Wilkesport, to S. ½ Lot 9, concession 15, Township of Sombra	A-4071
Lands and Forests, Department of	Use of highways in Township of Dungannon	A-4217
Lands and Forests, Department of (Forestry Branch)	Approval agreement for interchange of service with The Iron Bridge Telephone Co., Ltd.	A-4306
Leeds & Grenville Independent Telephone Co., Ltd.	Approval By-laws for control and management of	A-4330
Medora & Wood, United Townships of	Approval of purchase of telephone system, etc., of The Bracebridge & Muskoka Lakes Telephone Co., Ltd.	A-3982
Moore, Municipality of, vs. Lambton Telephone Co., Ltd.	Complaint re erection of poles upon concessions 11 and 12 and upon side road between Lots 20 and 21, Concession 11, Township of Sombra	A-4070
Moore, Municipality of, vs. Lambton Telephone Co., Ltd.	Complaint re erection of poles upon highway from Main Street, Wilkesport, to S. ½ Lot 9, Con. 13, Township of Sombra	A-4071
Monck, Municipality of	Approval agreement for interchange of telephone service with Jessis M. Robins and Wm. T. Mellon	A-4128
Mellon, Wm. T., et al	Approval agreement for interchange of telephone service with Monck Municipal Telephone System	A-4128
Malahide & Bayham Telephone Association, Ltd.	Approval agreement for transfer of property of to the Aylmer & Malahide Telephone Co.,Ltd.	A-4315
Monck, Township of	Approval passing of debenture by-law for reconstruction, etc., of Monck Municipal Telephone System	A-4387
Northern Telephone Co., Ltd.	Expenditure of portion of depreciation reserve fund on new extensions and additions	A-3981
Northern Telephone Co., Ltd.	Approval By-laws 45 and 46—Directors' fees and extension of service	A-3983
Northern Telephone Co., Ltd.	Authority to issue shares of capital stock and bonds	A-3994
North Norwich Municipal Telephone System	Authority to issue debentures to an amount not exceeding $8,000.00	A-4069
North Crosby, Township of	Approval By-law 630, use of highways to Westport Telephone Co., Ltd.	A-4107
Northern Telephone Co., Ltd.	Expenditure of portion of depreciation fund on new construction, etc.	A-4127
Northern Telephone Co., Ltd.	Authority to parallel lines of Kerns Municipal Telephone System in Township of Hudson.	A-4155

LIST OF APPLICATIONS TO THE BOARD UNDER "THE TELEPHONE ACT"—Continued

		Procedure File
North Norwich, Township of	Approval By-law 1171, issue of debentures to meet cost of reconstruction, replacements and alterations to North Norwich Municipal Telephone System	A-4232
Noisy River Telephone Co., Ltd., vs. Gordon Brown, et al	Reduction of charges	A-4266
Norland Independent Telephone Co., Ltd., et al	Approval of transfer to, of undertaking of the Head Lake Telephone Co., Ltd	A-4311
North Monck Municipal Telephone System	Approval of purchase from Bell Telephone Co. of Canada, Ltd,,certain plant and equipment located on highway between Town of Bracebridge and Village of Falkenburg	A-4386
Osprey, Municipality of	Approval of purchase of certain telephone plant and equipment from the Bell Telephone Co. of Canada, Ltd	A-4050
Osprey, Municipality of	Approval By-law 664, debenture issue re extension of telephone system	A-4100a
Osprey, Municipality of	Approval By-law 692, debenture issue re extension of telephone system	A-4100b
Osprey, Municipality of	Approval purchase of certain telephone plant, etc., from Bell Telephone Co., Ltd	A-4141
People's Telephone Co. of Forest, Ltd	Approval of investment of portion of its depreciation fund	A-3937
Phelps, Ward (Liquidator of Malahide & Bayham Telephone Association, Ltd.)	Approval agreement for transfer of property of Association to Aylmer & Malahide Telephone Co., Ltd	A-4315
Pefferlaw Telephone System	Approval By-law 420 of Township of Thorah, granting use of certain highways to	A-4361
Palmer, W. M., et al, vs. Home Telephone Co., Ltd	Service and terms therefor	A-4396
Ruby Telephone Co., Ltd	Approval agreement for interchange of service with South Algona Municipal Telephone System	A-3923
Robins, Jessie M., et al	Approval agreement for interchange of service with Monck Municipal Telephone System	A-4128
St. Joseph, Township of	Approval By-law 504, establishment of telephone system under part II of "The Telephone Act"	A-3882
St. Joseph, Municipality of	Approval sale to of the undertaking of The St. Joseph Island Telephone Co., Ltd. (by by-law of Company)	A-3883
St. Joseph Island Telephone Co., Ltd	Approval By-law providing for sale of its undertaking to Municipality of St. Joseph	A-3883
South Algona Municipal Telephone System	Approval agreement for interchange of service with the Ruby Telephone Co., Ltd	A-3923
Southern Ontario Telephone Co., Ltd.	Expenditure of portion of reserve depreciation fund on purchase of Dominion of Canada bonds	A-4003
Silver Creek Telephone Co., Ltd	Approval By-laws 1–31 (inclusive) regulating affairs of company	A-4101
South Sherbrooke, Township of	Approval By-law 634, use of highways to Westport Telephone Co., Ltd	A-4105
Stanhope, Municipality of	Date of annual meeting of telephone system	A-4203
Scott, Everett R, Robert H. Francis, et al, vs. H. A. Conboy	Connection at Sharbot Lake	A-4270
Sunderland Telephone Co., Ltd., vs. Home Telephone Co., Ltd	Complaint re parallelling of lines of Applicant	A-4395
Tarentorus Telephone Co., Ltd	Approval sale of its undertaking to The Bell Telephone Co. of Canada, Ltd	A-4033
Tax	Collection of, on Long Distance Calls	A-4144
Thorah, Township of	Approval By-law 420, use of certain highways to the Pefferlaw Telephone System, Ltd	A-4361

LIST OF APPLICATIONS TO THE BOARD UNDER "THE TELEPHONE ACT"—CONTINUED

		Procedure File
Tarbutt & Tarbutt Additional, Municipality of	Authority to purchase certain telephone plant and equipment of The Bell Telephone Co., Ltd.	A-4394
Wright, M. J.	Approval By-law 778 of Township of Greenock, granting use of highways to	A-3957
Welland County Telephone Co., Ltd.	Expenditure of depreciation reserve fund on new construction, extensions and additions	A-3993
Woodbridge & Vaughan Telephone Co., Ltd.	Authority to expend a portion of depreciation reserve fund on new construction, etc.	A-4054
Westport, Village of	Approval By-law 189, use of highways to Westport Telephone Co., Ltd.	A-4104
Westport Telephone Co., Ltd.	Approval By-law 189, Village of Westport, granting use of highways to	A-4104
Westport Telephone Co., Ltd.	Approval By-law 634, Township of South Sherbrooke, granting use of highways to	A-4105
Westport Telephone Co., Ltd.	Approval By-law 3 (1932), Township of Bedford, granting use of highways to	A-4106
Westport Telephone Co., Ltd.	Approval By-law 630, Township of North Crosby, granting use of highways to	A-4107
Waterloo Municipal Telephone System	Increased charges	A-4286

LIST OF BELL TELEPHONE AGREEMENTS APPROVED BY THE BOARD UNDER SECTION 97 OF "THE TELEPHONE ACT"

EXCHANGE AND TOLL LINE AGREEMENTS

	Procedure File
Coldstream Telephone System (A. G. McKenzie)	A-4087
Glasgow Telephone System	A-4254
Huron & Kinloss Municipal Telephone System	A-3942
Lands and Forests, Department of (Ontario)	A-3951
Medora & Wood Telephone System	A-4019
Molesworth Independent Telephone Co., Ltd.	A-4465
North Easthope Municipal Telephone System	A-4356
North Gosfield Municipal Telephone System	A-4422
Perry Telephone System	A-4009
St. Joseph Island Municipal Telephone System	A-4262
Suroff Telephone System	A-4423
West Williams Rural Telephone Association	A-4137

SERVICE STATION AGREEMENTS

Coldstream Telephone System (A. G. McKenzie)	A-4087
Hydro-Electric Power Commission of Ontario (at Sudbury)	A-3895
Perry Telephone System (two agreements)	A-4009

SPECIAL FORM OF CONNECTING AGREEMENT

Lands and Forests, Department of (Ontario), at Benny, Biscotasing Cartier and Metagama	A-4187 a, b, c and d

TARIFF OF FEES

TARIFF OF FEES PAYABLE IN CASH OR LAW STAMPS UNDER SECTIONS 160 AND 161 OF "THE ONTARIO MUNICIPAL BOARD ACT, 1932."

For copy of any Document, 10 cents for each 100 words and 50 cents for each Certificate.

For copy of any map or plan, applicants are to pay draughtsmen's and engineer's fees for same and 50 cents for each Certificate.

In contentious matters, including arbitrations or references to the Board under Public General Acts of Ontario, requiring a Hearing, there shall be paid in Law Stamps the sum of $15.00 for

TARIFF OF FEES—Continued

each day or fraction thereof over one half-day, and the sum of $10.00 for each half-day or less occupied by or in connection with the Hearing, and $1.00 on each original subpoena.

In all other arbitrations or references requiring a Hearing there shall be paid in Law Stamps the sum of $50.00 for each day or fraction thereof over one half-day, and the sum of $25.00 for each half-day or less occupied by or in connection with the Hearing, and $1.00 on each original subpoena.

In Cases in Which There Is No Opposing Party

On Order under Part V of "The Ontario Municipal Board Act, 1932," validating a By-law and Debentures, the following sums shall be paid in Law Stamps.

(These fees shall be payable on each group of four By-laws (grouped by serial numbers) consolidated under "The Local Improvement Act").

Where the issue of Debentures amounts to $10,000 or less	$15 00
Over $10,000 and up to $15,000	20 00
" 15,000 " 20,000	25 00
" 20,000 " 25,000	30 00
" 25,000 " 30,000	35 00
" 30,000 " 40,000	40 00
" 40,000 " 50,000	45 00
" 50,000 " 60,000	50 00
" 60,000 " 70,000	55 00
" 70,000 " 80,000	60 00
" 80,000 " 90,000	65 00
" 90,000 " 100,000	70 00
" 100,000 " 110,000	75 00
" 110,000 " 120,000	80 00
" 120,000 " 130,000	85 00
" 130,000 " 140,000	90 00
" 140,000 " 150,000	95 00
" 150,000 " 160,000	100 00
" 160,000 " 170,000	105 00
" 170,000 " 180,000	110 00
" 180,000 " 190,000	115 00
" 190,000 " 200,000	120 00
" 200,000, such sum as the Board may order or direct.	

The following sums shall be paid in Law Stamps on the following Orders and Certificates:

Approval of By-law for work ordered by Dominion or Ontario Railway Board—Section 297 (2) (f) of "The Municipal Act"	$10 00
Approval of By-law authorizing expenditure for fire hall, fire engines, etc.—Section 27 of "The Municipal Amendment Act, 1931" (Chapter 50)	10 00
Approval of By-law for extension of Waterworks or Electric Light or Gasworks, etc.—Section 399 (2) of "The Municipal Act"	10 00
Approval of Increased Borrowings by Municipal Councils, Section 334 of "The Municipal Act," as re-enacted by Section 10, Chapter 37, Ontario Statutes, 1933	10 00
Approval of the undertaking of Local Improvement works and the passing of By-laws therefor, Section 8 of "The Local Improvement Act," as re-enacted by Section 2 of "The Local Improvement Amendment Act, 1932"	10 00
Approval of a plan under "The Railway Act"	5 00
Approval of Railway Fenders	5 00
Extension of time to pass a By-law—Section 288 (5) of "The Municipal Act"	5 00
Extension of Debenture Issue period—Section 296 (11) and (12) of "The Municipal Act"	5 00
Approval of Bridge Construction By-law—Section 297 (2) (e) of "The Municipal Act"	5 00
Approval of By-law changing the rate of interest on debentures—Section 300 of "The Municipal Act"	5 00
Repeal of By-law as to amount not required—Section 301 (2) of "The Municipal Act"	5 00
Approval of further debt and levies where tax rate too high—Section 306 (2) of "The Municipal Act"	5 00
Approval of Sinking Fund Investment By-law—Section 317 of "The Municipal Act"	5 00
Approval of Municipal Fuel By-law—Section 397 (38) of "The Municipal Act"	5 00
Approval of laying out of highway less than sixty-six feet in width—Section 490 of "The Municipal Act"	5 00
Approval of By-law abandoning part of local improvement work—Section 18 of "The Local Improvement Act"	5 00
Approval of By-law apportioning cost of local improvement work—Section 26 (3) of "The Local Improvement Act"	5 00
Approval of By-law authorizing license fee—Section 411 (9) of "The Municipal Act"	5 00

TARIFF OF FEES—Continued

Approval of By-law for Unemployment Relief Works—Section 4 (2) of "The Unemployment Relief Act (Ontario)"	5 00
Except local improvement works, when fee is	15 00
Approval of By-law for Direct Relief Debentures, Section 8 of "The Unemployment Relief Act (Ontario), 1933"	5 00
Approval of plan of land subdivision	5 00
Approval of Railway Company's Public By-laws and Rules	2 00
Approval of Railway Company's Tolls and Tariffs	2 00
Approval of Railway Company's Examiner of Motormen	1 00

On Orders not included in the above list, such sums as the Board may order or direct.

Tariff of Fees Payable in Law Stamps in Proceedings Under "The Telephone Act"

On Order:

Authorizing the passing of a By-law extending the period for repayment of debentures to cover the cost of telephone system established pursuant to Section 19, beyond ten years; under Section 26	$10 00
Authorizing the extension of a telephone system established pursuant to Section 19, into unorganized townships; under Section 18	5 00
Approving a Municipal By-law, providing for the establishment or extension of telephone system; under Section 19	5 00
Extending the period within which Debenture By-law to cover cost of establishing a telephone system pursuant to Section 19 may be passed; under Section 25	5 00
Authorizing a Municipal Council to pass a By-law for reconstruction, etc.; under Section 27	5 00
Authorizing a Municipal Council to pass a By-law for the issue of debentures for furnishing service to persons not being assessed landowners; under Section 28	5 00
Authorizing the passing of a By-law providing for the issue of new debentures to provide for the payment of a portion of the principal of the original debentures falling due in any year; under Section 30	5 00
Approving the purchase of telephone systems; under Sections 31 and 102	5 00
Approving Connecting Agreement with The Bell Telephone Company of Canada, Limited; under Section 97	5 00
Authorizing a Company to expend a portion of its Depreciation Reserve in new construction, etc.; under Section 110	5 00
Authorizing a Company to issue additional stock or bonds; under Section 111	5 00
Authorizing the removal of signatures from a petition, praying for the establishment of a telephone system pursuant to Section 19; under section 12	2 00
Granting the use of highways in unorganized townships; under Section 84	2 00
Approving the By-laws of a telephone company; under Section 88	2 00
Approving connecting Agreement between telephone systems within the jurisdiction of Ontario; under Section 97	2 00
Approving regulations to prevent the misuse of system by subscribers; under Section 112	2 00
Approving Municipal By-law granting the use of highways; under Section 80	1 00

On any Order not included in the above list, such sums as the Board may order or direct.

In contentious matters requiring a Hearing, $15.00 for each day or fraction thereof over one half-day, and $10.00 for each half-day or less occupied in connection with the Hearing, and $1.00 on each original subpoena.

Where inquiry is made by the Board's expert, $10.00 for each day or fraction thereof over one-half day, and $5.00 for each half-day or less occupied in connection with such inquiry.

For copy of any Document, 10 cents for each 100 words, and 50 cents for each Certificate.

THE FOLLOWING GIVES A BRIEF SUMMARY OF THE EXTENSIONS AND IMPROVEMENTS MADE TO THE RAILWAYS UNDER PROVINCIAL JURISDICTION DURING THE YEAR 1932

Cornwall Street Railway, Light and Power Company, Limited

During the year ending December 31st, 1932, it is reported by this Company that no extension was made to tracks.

It is, however, reported that an expenditure was made during the same period on track improvements, overhead structure, rolling stock, buildings, etc., of $4,992.10.

Fort William Electric Railway

It is reported that during the year ending December 31st, 1932, there were no extensions made to the tracks of this railway company.

During the same period it is reported that a total expenditure was made on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $30,902.44.

Hamilton Street Railway

During the year ending December 31st, 1932, it is reported that no extensions to track were made.

It is also reported that during the same period a total expenditure was made on track improvements, overhead structure, rolling stock, etc., of $2,740.07.

Hamilton and Barton Incline Railway Company

It is reported by this Company that during the year 31st December, 1931, to 31st December, 1932, they did not make any extensions to track.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, etc.

The Company report that they are not operating the Incline at present.

Huntsville and Lake of Bays Railway Company

It is reported by this Company that during the year ending 31st December, 1932, they did not make any extensions to track.

During the same period it is reported that they made a total expenditure on track improvements, overhead structure, rolling stock, buildings, etc., of $319.28.

Hydro-Electric Radial Railways

(Guelph Radial Railway)

It is reported by the Hydro-Electric Power Commission of Ontario that during the year ending December 31st, 1932, there were no extensions made to the track of the above railway.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, etc.

(Sandwich, Windsor and Amherstburg Railway, Essex Division)

The Hydro-Electric Power Commission of Ontario reports that during the year ending December 31st, 1932, no extension was made to the track of the above railway.

The Commission also reports that during the same period no expenditure was made on track improvements, overhead structure, rolling stock, etc.

The International Railway Company (Niagara Falls Park and River Division)

During the year December 31st, 1931, to December 31st, 1932, it is reported that this Company did not make any extension to track.

It is also reported that during the same period they did not make any expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc.

The International Transit Company

It is reported by this Company that during the year December 31st, 1931, to December 31st, 1932, they did not make any extensions to track.

They report, however, that during the same period they made an expenditure on track improvements of $636.53.

KITCHENER–WATERLOO AND BRIDGEPORT RAILWAYS

The Public Utilities Commission of Kitchener report that during the year ending December 31st, 1932, there were no extensions made to the track of the above railway.

It is also reported that during the same period a total expenditure was made on track improvements, rolling stock, buildings, etc., of $175.03.

LONDON STREET RAILWAY COMPANY

During the year ending December 31st, 1932, it is reported by this Company that no extensions were made to track.

It is reported, however, that a total expenditure was made during the same period, as follows:

Capital Improvements:	
On Street Cars	Nil
On Buses and Bus Buildings	$6,584 29
Total	$6,584 29

THE MIDLAND–SIMCOE RAILWAY COMPANY

It is reported to us that during the year ending December 31st, 1932, no extension was made to tracks.

During the same period it is reported that no expenditure was made on track improvements, overhead structure, rolling stock, etc.

MOUNT MCKAY AND KAKABEKA FALLS RAILWAY COMPANY

During the year ending December 31st, 1932, it is reported that no extension was made to the tracks of this railway.

It is also reported that during the same period no expenditure was made on track improvements, overhead structure, buildings, machinery, etc.

This railway is leased to and operated by the City of Fort William.

NIAGARA PENINSULAR RAILWAY

During the year December 31st, 1931, to December 31st, 1932, it is reported that no extension was made to the track of this railway.

It is reported, however, that an expenditure was made on repairs and maintenance during the same period amounting to $981.76.

NORTH YONGE RAILWAYS

The Toronto Transportation Commission, which operates the above railway, reports that during the year ending December 31st, 1932, it did not make any extensions to track.

It also reports that during the same period it did not make any expenditure on track improvements, rolling stock, buildings, machinery, etc.

PORT ARTHUR CIVIC RAILWAY

During the year ending December 31st, 1932, this Company reports that it did not make any extension to track.

It is also reported that during the same period no expenditure was made on track improvements, overhead structure, rolling stock, buildings, etc.

SUDBURY-COPPER CLIFF SUBURBAN ELECTRIC RAILWAY

It is reported by this Company that during the year ending December 31st, 1932, they did not make any extensions to track.

During the same period it is also reported that they did not make any expenditure on track improvements, overhead structure, rolling stock, etc.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

During the year ending December 31st, 1932, it is reported by the Temiskaming and Northern Ontario Railway Commission that they made extensions to the track of the Temiskaming and Northern Ontario Railway at a cost of $855,557.08.

The Commission also reports that during the same period a total expenditure was made on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $123,517.93.

THURLOW RAILWAY COMPANY

It is reported that during the year ending December 31st, 1932, this Company did not make any extensions to tracks.

During the same period, however, it is reported that a total expenditure was made for repairs to roadbed, etc., of $5,571.00.

TILLSON SPUR LINE RAILWAY COMPANY

During the year ending December 31st, 1932, it is reported that no extension was made to the tracks of this railway.

It is also reported that during the same period no expenditure was made on track improvements, rolling stock, buildings, etc.

THE TORONTO TRANSPORTATION COMMISSION

The Commission report that during the year ending December 31st, 1932, they completed the extension to track commenced in 1931 (5.237 miles), at an expenditure in 1932, in addition to the expenditure in 1931, of $55,529.60.

It is also reported that during the same period they made a total expenditure on track improvements, overhead structure, rolling stock, buildings, machinery, etc., of $707,642.94.

TOWNSHIP OF YORK AND WESTON RAILWAYS

The Toronto Transportation Commission, which operates the above railway, reports that during the year ending 31st December, 1932, no extension was made to the tracks of this railway.

It is also reported that during the same period no expenditure was made on track improvements, overhead structure, rolling stock, buildings, etc.

WENTWORTH INCLINE RAILWAY, LIMITED

During the year December 31st, 1931, to December 31st, 1932, this Company report that no extension was made to the tracks of the railway.

It is also reported that during the same period no expenditure was made on track improvements, overhead structure, rolling stock, buildings, etc.

ELECTRIC, STEAM AND INCLINE RAILWAYS UNDER PROVINCIAL JURISDICTION, YEAR ENDING 31st DECEMBER, 1932—

No.	Name of Railway	Length of road first main track	Length of road second main track	Total main track	Length of sidings and turnouts	Total computed as single track	Length under construction	No. Power Houses		Remarks
								Steam	Water	
1	Cornwall Street Railway, Light and Power Co., Ltd.	5.	....	5.	2.	7.	....	......	1	Power purchased from St. Lawrence Power Company, for emergency only.
2	Fort William Electric Railway.	4.935	19.695	24.630	.800	25.430	....	......	......	Power purchased from Hydro-Electric Power Commission of Fort William.
†3	Guelph Radial	6.412	....	6.412	2.094	8.506	....	......	......	Power purchased from Light and Heat Commission, Guelph.
4	Hamilton Street Railway	18.	16.3	34.3	....	34.3	....	......	......	Power purchased from Hamilton Hydro-Electric System.
*5	Hamilton & Barton (Incline)	.12	.12	.24	....	.24	....	1	......	At head of Incline. Company is not operating at present.
*6	Huntsville & Lake of Bays	1.45	....	1.45	.31	1.76	....	......	......	....
†7	Hydro-Electric Radials (Essex Division) S.W. & A. Ry.	43.689	12.729	56.418	5.052	61.470	....	......	......	Power purchased from Hydro-Electric Power Commission of Ontario.
8	International Railway (Niagara Falls Park & River Division)	11.649	10.973	22.622	1.314	23.936	....	......	1	Small amount of power purchased from Niagara Gorge Railroad Company.
9	International Transit	3.50	1.25	4.75	.50	5.25	....	......	......	Power purchased from The Great Lakes Power Company, Ltd.
10	Kitchener-Waterloo & Bridgeport Railways	6.55	2.86	9.41	.94	10.35	....	......	......	Power purchased from The Public Utilities Commission, Kitchener.
11	London Street Railway	15.84	7.03	22.87	.96	23.83	....	......	......	Power purchased from Hydro-Electric Power Commission of Ontario.
*12	Midland-Simcoe Railway Co.	1.	....	1.	4.	5.	....	......	......	....
13	Mount McKay & Kakabeka Falls Railway	5.	....	5.	1.50	6.50	....	......	......	Leased to and operated by City of Fort William.
*14	Niagara Peninsular Railway	3.325	....	3.325	2.115	5.44	....	......	......	....
‡15	North Yonge Railway	10.342	....	10.342	1.419	11.761	....	......	......	Power purchased from Hydro-Electric Power Commission of Ontario.

16	Port Arthur Municipal Railway	13.43	6.10	19.53	1.04	20.57	....	......	......	Power purchased from Electric Light and Power Department, Public Utilities Commission, Pt. Arthur.
17	Sudbury-Copper Cliff Suburban Electric	7.9	....	7.9	.30	8.2	....	......	1	Power purchased from Hydro-Electric Power Commission of Ontario.
*18	Temiskaming & Northern Ontario Railway	531.69	1.7	533.39	14.32	676.59	....	1	......	North Bay and one Oil at Moosonee. Power purchased from Hydro-Electric Power Commission of Ontario, Northern Ontario Power Commission, Ltd., Public Utilities Commission, Town of Cochrane, and Abitibi Power & Paper Company, Ltd.
*19	Thurlow Railway	2.671	....	2.671	4.666	7.337	....	......	......	Power purchased from Canada Cement Company.
20	Tillson Spur Line Railway Co.	1.010	....	1.010	.051	1.061	....	......	......	Operated by Canadian National Railway.
21	Toronto Transportation Commission	119.760	102.459	222.219	31.855	254.074	....	......	......	Power purchased from The Toronto Hydro-Electric System.
‡22	Township of York and Weston Railways	8.063	6.002	14.065	.148	14.213	....	......	......	Power purchased from The Toronto Transportation Commission.
§23	Wentworth Incline Railway, Ltd.	.14	.14	.28	....	.28	....	......	1	Mountain Top, Hamilton. Power purchased from Hamilton Hydro-Electric System.
	Total	821.476	187.358	1,008.834	204.264	1,213.098	....	2	4	

*Steam railways.
§Formerly Hamilton Mountain Park Co., Ltd.
‡Operated by The Toronto Transportation Commission.
†Operated by Hydro-Electric Power Commission of Ontario.

TABULATED SUMMARY OF ACCIDENT REPORTS RECEIVED IN 1932

Passengers		Employees		Travellers on Highways		Travellers at Crossings		Trespassers		Total	
Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
..	786	...	12	15	93	....	....	....	....	15	891

TORONTO, 1932

Summary by months of all accidents on lines of the Toronto Transportation Commission from January 1st to December 31st, 1932

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Collisions with cars	Nil	Nil	Nil	1	Nil	Nil	1	Nil	Nil	Nil	2	2	6
Collisions with autos	185	200	270	245	164	159	181	180	252	247	294	343	2,720
Collisions with motorcycles and bicycles	3	4	7	4	3	4	4	3	8	9	6	4	59
Collisions with wagons	6	7	4	3	2	4	7	5	3	5	11	10	67
Boarding cars	11	17	16	23	16	8	4	4	8	12	12	14	145
Alighting from cars	9	17	24	21	14	13	13	12	15	18	20	23	199
Falling within cars	13	32	33	27	24	20	23	14	27	23	34	41	311
Derailment of cars	Nil	Nil	Nil	Nil	Nil	Nil	1	Nil	Nil	Nil	Nil	Nil	1
Miscellaneous	32	39	34	32	35	36	21	29	40	36	69	68	471
Total, all accidents	259	316	388	356	258	244	255	247	353	350	448	505	3,979
Personal injuries, all degrees:													
To passengers	38	57	63	55	47	43	38	20	46	49	118	62	636
To others	7	16	16	5	3	8	5	10	15	13	22	21	141
Total	45	73	79	60	50	51	43	30	61	62	140	83	777
Fatal Accidents:													
To passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To others	2	1	2	Nil	1	Nil	2	Nil	Nil	3	1	Nil	12
Total	2	1	2	Nil	1	Nil	2	Nil	Nil	3	1	Nil	12

HAMILTON, 1932

Accidents on Hamilton Street Railway, and Hamilton, Grimsby and Beamsville Electric Railway Lines
From January 1st to December 31st, 1932

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Collisions with cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Collisions with autos	20	29	29	28	30	20	42	34	20	20	45	Nil	317
Collisions with motorcycles and bicycles	1	Nil	Nil	1	Nil	Nil	2	1	1	Nil	1	Nil	7
Collisions with wagons	Nil	3	2	1	3	1	1	1	2	Nil	1	Nil	15
Boarding cars	Nil	2	Nil	1	1	1	2	2	1	Nil	5	Nil	15
Alighting from cars	Nil	Nil	Nil	Nil	1	2	1	3	1	Nil	1	Nil	9
Derailment of cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Miscellaneous	3	1	Nil	1	4	1	2	5	1	Nil	3	Nil	21
Total all accidents	24	35	31	32	39	25	50	46	26	20	56	Nil	384
Personal injuries, all degrees:													
To passengers	2	2	Nil	1	5	3	3	6	2	Nil	7	Nil	31
To others	3	Nil	Nil	2	1	2	2	2	3	Nil	10	Nil	25
Total	5	2	Nil	3	6	5	5	8	5	Nil	17	Nil	56
Fatal accidents:													
To passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To others	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	Nil	1
Total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	Nil	1

LONDON, 1932

Accidents on London Street Railway
From January 1st to December 31st, 1932

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Collisions with cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Collisions with autos	14	32	29	20	17	19	21	30	24	13	36	33	288
Collisions with motorcycles and bicycles	Nil	Nil	1	1	Nil	Nil	Nil	Nil	1	1	2	Nil	6
Collisions with wagons	1	Nil	1	2	Nil	Nil	Nil	1	Nil	1	1	Nil	7
Boarding cars	1	Nil	1	1	Nil	2	1	1	1	Nil	3	2	13
Alighting from cars	Nil	1	4	3	4	1	1	4	2	3	1	6	30
Derailment of cars	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Miscellaneous	1	5	5	4	5	3	3	5	4	4	5	4	48
Total all accidents	17	38	41	31	26	25	26	41	32	22	48	45	392
Personal injuries, all degrees:													
To passengers	1	1	6	4	2	4	2	3	4	2	2	3	34
To others	4	4	2	3	2	1	2	5	1	1	1	2	28
Total	5	5	8	7	4	5	4	8	5	3	3	5	62
Fatal accidents:													
To passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To others	Nil	Nil	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1
Total	Nil	Nil	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1

INDEX TO RAILWAY LEGISLATION

The following Index has been made with the object of continuing in chronological order all the legislation passed by the Dominion and Provincial Governments since 1867, affecting railways situated wholly or partially within the Province of Ontario.

"List No. 2" was commenced on page 272 of our Ninth Annual Report (1914), and is continued on page 172 of our Twenty-fifth Annual Report (1930), and in the following list up to and inclusive of 1932.

	Chap.	Year
Algoma Central Railway:		
Ontario Statute	135	1931
Act respecting.		
Algoma Central and Hudson Bay Railway Company:		
Dominion Statute	62	1931
Act respecting.		
Ontario Statute	135	1931
Algoma Central Terminals, Limited:		
Incorporated under Dominion Company's Act, referred to in Chapter....	62	1931
Dominion Statute.		
Ontario Statute.		
See Act respecting City of Sault Ste. Marie	124	1931
Also see	135	1931
Algoma Eastern Railway Company:		
Ontario Statute	135	1931
See Act respecting Algoma Central Railway.		
Brockville and Ottawa Railway:		
Ontario Statute	90	1932
See Schedule "A," paragraph 5 of Act respecting Town of Smith's Falls.		
Canadian National Railways:		
Dominion Statute	6	1931
Act to amend.		
Dominion Statute	22	1931
Act respecting and to authorize the provision of moneys and expenditures made and indebtedness incurred during the year 1931.		
Dominion Statute	23	1931
Act respecting and to authorize the guarantee by His Majesty of securities to be issued under the C.N.R. Financing Act, 1931.		
Ontario Statute	92	1931
See Act respecting the City of East Windsor re Subway.		
Dominion Statute	6	1932
Act respecting C.N.R. Financing Act, 1931.		
Dominion Statute	15	1932
Act respecting C.N.R. Guarantee Act, 1931, re securities to be issued under C.N.R. Financing Act, 1931.		
Dominion Statute	24	1932
Act respecting extension of time for construction or completion of certain lines of railway.		
Dominion Statute	25	1932
Act respecting and to authorize the provision of moneys and expenditures made and indebtedness incurred during the year 1932.		
Dominion Statute	26	1932
Act respecting C.N.R. Guarantee Act, 1932, re guarantee by His Majesty of securities to be issued under the C.N.R. Financing Act, 1932.		
Canadian Pacific Railway:		
Dominion Statute	58	1932
Act respecting Canadian Pacific Railway Act, 1932 (re issue of consolidated debenture stock).		
Cornwall Street Railway, Light and Power Company, Limited:		
Ontario Statute	88	1931
See Act respecting Town of Cornwall.		
Guelph Radial Railway:		
Ontario Statute	14	1931
Act to amend.		

	Chap.	Year
Hamilton Street Railway Company:		
Ontario Statute	57	1932
Act respecting Hamilton Street Railway Company Act, 1932 (confirming agreement of 20th October, 1931, between the Hamilton Street Railway Company and the City of Hamilton).		
Hamilton and Barton Incline Railway:		
Ontario Statute	72	1932
See Act respecting the City of Hamilton (Section 5).		
Hydro-Electric Power Commission of Ontario:		
Ontario Statute	113	1931
See Act respecting Township of North Gwillimbury. Part Metropolitan Railway T.Y.R.R. purchase.		
Ontario Statute	53	1932
See Statute Law Amendment Act, 1932 (Section 44), re Sandwich, Windsor and Amherstburg Railway.		
Ontario Statute	56	1932
Act respecting Sandwich, Windsor and Amherstburg Railway Act, 1932, amending Act of 1930.		
Pere Marquette Railway:		
Ontario Statute	23	1931
See Section 35, Statute Law Amendment Act, re Subway, Town of Walkerville.		
Sandwich, Windsor and Amherstburg Railway:		
(See "Hydro-Electric Power Commission of Ontario").		
Toronto and York Radial Railway:		
Ontario Statute	114	1931
See Act respecting Township of North York, re agreement to purchase railway in Townships of Markham, Vaughan, and Village of Richmond Hill.		
Toronto, Hamilton and Buffalo Railway Company:		
Ontario Statute	72	1932
See Act respecting City of Hamilton (Section 3) re Agreement 20th October, 1930.		
Toronto Transportation Commission:		
Ontario Statute	80	1932
See Act respecting Township of North York (Section 3); re North Yonge Railways.		
Windsor, Essex and Lake Shore Electric Railway Association.:		
Ontario Statute	99	1932
(Windsor, Essex and Lake Shore Rapid Railway Act, 1932).		

FORMS

FORM THAT MAY BE USED IN CONNECTION WITH THE EXAMINATION OF MOTORMEN

Name of City or Town
..............................193 .

NAME OF RAILWAY

This is to certify that, acting under "The Railway Act, 1927," R.S.O., Chapter 224, Section 265, I have fully examined the ....who is........................years of age and.........feet..........inches high, weighs..................................lbs., complexion................, as to his fitness as a motorman, that the said.................
..............................is of steady habits, and is in physical ability, intelligence and general knowledge of, and experience in, this work qualified to act as motorman on any electric motor car of said Company.

I have been duly appointed an examiner under the said Act, my appointment being dated
....

Name.......................................
Examiner.

FORM TO BE USED BY COMPANIES IN REPORTING ACCIDENTS

ACCIDENTS: Regulations under and in pursuance of Sections 275 and 276 of "The Railway Act, 1927." R.S.O., Chapter 224.

ACCIDENTS.—Every company upon the happening of an accident shall give to the Ontario Railway and Municipal Board notice thereof in writing by delivering the same at the office of the Board in the City of Toronto or by mailing it, postage prepaid, in a registered letter addressed to the Board.

Such notice shall contain a statement signed by a duly authorized officer of such company, setting forth the information and particulars hereinafter mentioned.

Such statement shall be divided into paragraphs, each of which shall include and refer to one (or one group) only of the numbered particulars hereinafter mentioned, and the paragraph referring to each respective numbered particular shall bear the number corresponding to the number hereinafter given for each such particular.

The numbers of paragraphs and the particulars to which each shall refer as aforesaid are as follows:

1. Name or names of company or companies concerned in accident.
2. Numbers of train, engine, car or motor.
3. Date and time of accident.
4. Nature of accident.
5. Exact location.
6. Name in full, address and legal addition of each persons injured or killed.
7. Age.
8. Married or single.
9. Passenger, employee or other.
10. If employee, length and nature of service with dates and periods of different occupations (if more than one).
11. If employee, character, experience, skill and fitness with respect to occupation at time of accident.
12. How engaged at time of accident, and how long on duty.
13. Cause of accident, how same occurred, with full particulars and details, and diagram, if required.
14. Persons in charge, with full names, addresses and the particulars referred to in paragraphs 10, 11 and 12.
15. Result to person and particulars of injury.
16. Result to property, including amount of damage.
17. Names and addresses of all persons present at, or eye witnesses of, the accident.
18. What investigation (if any), and result of same.
19. Verdict (if any).

The Board reserves the right to require such further and other details, particulars, maps, plans, profiles, documents, models and information or illustration of any kind as to the nature of the accident and a full understanding thereof may suggest or require.

In pursuance of Sections 275 and 276 of said Act, the Board declares that all such information so given in pursuance of this regulation shall be privileged.

Signature of Officer.

N.B.—Give name of officer who fills out this report.

REGULATIONS

REGULATION AS TO HEIGHT OF CAR STEPS

Under and in pursuance of a certain order of the Board bearing date the 2nd day of June, A.D. 1909, The Ontario Railway and Municipal Board made the following regulations:

The steps on all cars hereafter constructed and used by The Toronto Railway Company and all other street and electric railways under the jurisdiction of this Board shall have steps conforming to the following regulations:

On closed single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches.

On closed double truck cars the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches.

On open single truck cars the height of the first step above the ground shall be not less than twelve nor more than fifteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and nine inches respectively.

On open double truck cars, the height of the first step above the ground shall be not less than fourteen nor more than sixteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and fourteen inches respectively.

REGULATION RE DRINKING WATER ON PASSENGER CARS

Every Electric Railway Company in Ontario, subject to the jurisdiction of the Board, shall provide in each passenger car which runs 20 miles or more, a suitable receptacle for water with paper cups attached upon or near such receptacle, and shall keep such receptacle, while the car is in use, constantly supplied with cool drinking water for the use of passengers and the conductor and motorman in charge of such car.

This regulation shall not apply to street railways in towns or cities.

(Sgd.) C. R. McKeown,
Chairman.
(Sgd.) A. B. Ingram,
Vice-Chairman.
(Sgd.) J. A. Ellis,
Commissioner.

Dated at Toronto, this 10th day of April, A.D. 1928.

WENTWORTH INCLINE RAILWAY, LIMITED

BALANCE SHEET AS AT DECEMBER 31st, 1932

ASSETS

CURRENT			$195,005 53	
Cash on Hand		$ 239 78		
Balance in Bank		15,031 34		
Savings Account	$14,764 84			
Current Account	266 50			
	$15,031 34			
Conductors' Loan Accounts		50 00		
Accounts Receivable		227 40		
Bonds and Stocks at Cost		178,459 77		
Prepaid Expense		997 24		
		$195,005 53		
INVESTED			50,985 10	
Plant and Equipment, Road Bed, etc.		$114,409 22		
Buildings		9,500 00		
Land		26,078 25		
		$149,987 47		
LESS: Reserve for Depreciation		99,002 37		
		$50,985 10		

LIABILITIES

CURRENT			$2,835 50
Accounts Payable	375 00		
Tickets Outstanding Reserve	2,460 50		
	$2,835 50		
SHAREHOLDERS			$243,155 13
Capital Stock	$27,800 00		
Special Reserve	46,891 56		
Profit and Loss Account	168,463 57		
	$243,155 13		
		$245,990 63	$245,990 63

Subject to letter dated February 7th, 1933.
EMW/EM—7/2/33

WENTWORTH INCLINE RAILWAY, LIMITED

PROFIT AND LOSS ACCOUNT FOR YEAR ENDED DECEMBER 31st, 1932

EARNINGS:			
Ticket Sales, Passengers, Freight, etc.			$23,431 49
EXPENSES		$29,656 76	
Fuel, Power and Light	....		
General Expense, Taxes, Directors' Fees and Salary	$5,377 92		
Insurance	582 79		
Insurance Claim	180 00		
Oil and Waste	89 78		
Repairs	427 07		
Wages	17,041 24		
Depreciation	5,957 96		
	$29,656 76		
NET LOSS FOR PERIOD			6,225 27
		$29,656 76	$29,656 76

PROFIT AND LOSS ACCOUNT

Balance—January 1st, 1932		$171,777 33
Dividends and Interest Received		4,399 82
Insurance Reserve written off		300 00
Operating Loss for year 1932	$6,225 27	
Ontario Companies Tax Paid	120 31	
Dividends paid 1932	1,668 00	
Balance per Balance Sheet	168,463 57	
	$176,477 15	$176,477 15

Subject to letter dated February 7th, 1933.
EMW/EM—7/2/33

ANALYSIS OF GROSS EARNINGS AND MISCELLANEOUS INCOME FOR YEAR ENDING DECEMBER 31st, 1932

Name of Railway	From Passengers	From Mail	From Express Parcels and Newspapers	From Freight	From rental of track, buildings, and other property	From Advertising	From other miscellaneous sources	Total
Cornwall Street Railway	$51,256 60			$36,094 79		$765 00	$608 85	$88,775 24
Fort William Electric Railway	136,823 83	$900 00				406 87	1,642 77	139,773 47
Hamilton Street Railway	1,069,844 56	9,000 00		3,453 31	30 00	8,714 57	2,474 43	1,093,516 87
Huntsville & Lake of Bays Railway	481 80	35 00		1,094 61				1,611 41
Hydro-Electric Railways (Sandwich, Windsor and Amherstburg Division)	524,052 43	2,518 96	2,897 87	1,317 16	816 19	5,613 75	17,304 92	554,521 28
Hydro-Electric Railways (Guelph Division)	50,500 95			10,484 19	276 64	440 00	2,338 00	64,039 78
International Railways (Niagara Falls Park and River Division)	40,756 63	387 20	96 33		67 57	709 15	1,947 50	43,964 38
International Transit	38,094 30	400 00		23 00		596 74		39,114 04
Kitchener-Waterloo Street Railway	91,609 64	4,504 27	48 90		997 00	1,030 00	7,861 50	106,051 31
London Street Railway	504,841 05	3,000 00			228 00	3,551 00	1,084 17	512,704 22
Mount McKay & Kakabeka Falls Railway	Line operated by City of Fort William.							
Niagara Peninsular Railway				15,535 00				15,535 00
Port Arthur Civic Railway	138,739 06					800 04		139,539 10
Sudbury-Copper Cliff Suburban Railway	44,196 25		83 40		180 00	115 00	90 09	44,664 74
Thurlow Railway (Steam)				19,055 00				19,055 00
Tillson Spur Line	All rolling stock owned and operated by Canadian National Railways							
Toronto Transportation Commission	10,824,001 96		8,575 24		99,509 03	111,807 36	24,204 82	11,068,098 41
" " " North Yonge Railway	79,404 89			73 50	1,353 87	641 24	179 93	81,653 43
" " " Twp. York Railway	237,417 58					1,357 75	244 88	239,020 21
Wentworth Incline Railway	See Statement							

TABULATION OF CAR MILES RUN, PASSENGERS CARRIED, ACCIDENTS, ETC., FOR YEAR ENDING DECEMBER 31ST, 1932

Name of Railway	Length of track owned, miles	Length of switches and sidings miles	Passenger car miles run	Passengers carried	Passengers carried per mile of main track owned	Accidents		Number of men employed	Passenger Cars			Other			Service Cars				Miscellaneous			Cost of railway construction equipment, land and buildings per mile of track owned
						Killed	Injured		Enclosed Cars	Open Cars	Trailers	Baggage and mail	Cattle and box	Coal and dump	Tool	Snow sweepers	Snow plows	Loading cranes	Locomotives	Platform cars	Ferry boats	
Cornwall Street Railway........	5 00	2.50	319,573	1,219,725	243,945	....	....	37	14	....	....	....	....	....	....	2	1	....	2	....	....	$57,953 86
Fort William Electric Railway..	18.916	6.580	740,701	2,294,181	....	....	3	....	18	....	5	....	....	....	....	1	2	....	....	....	....	48,203 64
Hamilton Street Railway.......	34.3	....	2,804,466	16,055,651	....	1	141	330	103	....	....	....	....	....	....	4	....	....	....	....	....	143,728 28
Huntsville & Lake of Bays Rly..	1.438	.312	††	3,212	3,212	....	....	3	....	3	1	2	....	....	....	....	....	....	....	5	....	17,332 11
Hydro-Electric Rlys (Sandwich, Windsor & Amherstburg Div.)	56.418	5.052	2,336,108	7,978,877	133,430	....	48	223	63	....	1	2	....	....	2	1	....	....	....	4	....	88,600 00
Hydro-Electric Railways (Guelph)	6.412	2.094	334,866	922,082	114,334	....	6	34	7	....	....	....	....	....	....	1	....	....	1	....	....	52,206 00
International Rlys (Niagara Falls Park & River Division)......	22.622	1.314	133,332	230,429	9,627	....	7	25	2	7	....	....	....	....	....	....	1	....	....	2	....	64,654 01
International Transit...........	4.75	.5	232,115	766,581	219,023	....	....	19	9	....	....	....	....	....	....	1	....	....	....	....	....	121,940 05
Kitchener-Waterloo Railway....	9.41	.94	346,912	2,282,953	242,609	....	1	31	Not	rep	ort	ed										49,615 26
London Street Railway.........	22.87	.96	††	††	††	1	75	††	32	5	....	....	....	....	....	2	....	....	....	....	....	56,213 88
Mount McKay & Kakabeka Falls	5.00	1.5	....	....	....	....	....	....	....	....	....	....	....	10	....	....	....	....	....	....	....	25,990 88
Niagara Peninsular Railway.....	3.325	2.115	††	....	....	....	....	4	....	....	....	....	....	56	....	....	....	....	1	1	....	10,211 56
Port Arthur Civic Railway.....	19.53	1.04	630,523	2,227,744	114,068	1	....	48	....	....	....	....	....	....	....	....	....	....	....	....	....	31,120 70
Sudbury–Copper Cliff Suburban Railway....................	7.9	....	95,650	456,323	57,762	....	....	20	12	....	....	....	....	....	....	....	1	....	....	....	....	40,390 08
Thurlow Railway (Steam)......	2.671	4.666	....	....	....	....	....	12	....	....	....	....	....	40	....	....	....	....	5	2	....	10,518 32
Tillson Spur Line..............	1.010	.051	All rolling	stock owne	d and oper	ated	by	Can	adia	n N	atio	nal	Rlys									
Toronto Trans. Commission.....	222.219	31.855	27,438,832	165,275,187	....	12	1201	3967	729	....	258	....	....	....	....	28	10	....	....	....	....	202,156 95
T.T.C.—North Yonge Rlys.....	10.342	1.419	297,926	916,232	....	....	4	All r	ollin	g sto	ck o	wne	d by	T.T.	C.							9,144 55
T.T.C.—Twp. York Railways...	14.065	.148	713,448	4,857,398	....	....	11	All r	ollin	g sto	ck o	wne	d by	T.T.	C.							97,262 05
Wentworth Incline Railway.....	See State	ment.																				

††—Car miles not reported.

TABULATION OF COMPARISON WITH PREVIOUS YEARS AS TO CAR MILES RUN, PASSENGERS CARRIED, ETC.

For Year Ending December 31st, 1932

Name of Railway	Length of Track		Car Miles Run		Passengers Carried		Accidents				Net Earnings	
							Killed		Injured			
	In-crease	De-crease	In-crease	De-crease	In-crease	De-crease	In-crease	De-crease	In-crease	De-crease	Increase	Decrease
											$ c.	$ c.
Cornwall Street Railway			12,495			102,211				1		10,217 17
Fort William Electric Railway				51,155		65,145				1		(b)2,305 27
Hamilton Street Railway				50,070		3,364,452	1		92			71,331 13
Huntsville & Lake of Bays Railway			††	††		2,404						744 90
Hydro-Electric Railways (Sandwich, Windsor & Amherstburg Division)		.348		399,675		1,543,140		2		14		(b) 191 14
Hydro-Electric Railways (Guelph Division)				3,184		178,634		2	2			(b)5,171 17
International Railways (Niagara Falls Park and River Division)	Operation terminated September 11th, 1932.											
International Transit Co.	.19			3,163		159,131				6		7,963 82
Kitchener-Waterloo Street Railway				5,722		247,898						1,000 00
London Street Railway			††	††	††	††		3	2			(b)16,715 89
Mount McKay & Kakabeks Falls Railway			††	††	††	††						(b)2,574 80
Niagara Peninsular Railway			††	††							1,819 44	
Port Arthur Civic Railway				65,297		212,845	1			2	(a)2,286 67	
Sudbury-Copper Cliff Suburban Railway				72,250		368,379					(b)	(c)3,770 14
Thurlow Railway			††	††	††							(b)8,667 38
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railways											
Toronto Trans. Commission		.422		2,293,638		21,815,143		1		93		10,629 75
Toronto Trans. Commission—North Yonge Rly				27,884		113,543	4			4	7,732 63	
Toronto Trans. Commission—Twp. York Rly.				54,648		725,219				1	(b)	11,328 06
Wentworth Incline Railway	See Statement.											

(a)—Decrease in deficit. (b)—Increase in deficit. (c)—No deduction made for depreciation or taxes.

TABULATION OF OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1932

Name of Railway	General Expenses	Maintenance of Roadbed and Buildings	Maintenance Equipment	Motive Power	Wages	Damage to Persons and Property	Miscellaneous	Total	Operating Cost per Car Mile Run
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Cornwall Street Railway	10,282 47	2,953 41	10,099 76	3,444 24	24,525 09	1,313 72	1,465 02	54,083 71	16,920
Fort William Electric Railway	14,741 60	11,015 09	21,430 19	22,223 80	61,649 04	580 70	4,010 62	135,651 04	18,314
Hamilton Street Railway	52,780 36	67,177 85	131,752 69	149,057 09	278,523 85	46,863 48	157,977 37	884,132 67	31,526
Huntsville & Lake of Bays Railway	178 11	139 05	180 23	277 02	342 50	....	26 00	1,142 91	††
Hydro-Electric Railways (Sandwich, Windsor & Amherstburg Division)	101,963 95	52,349 42	100,940 89	93,268 13	179,941 62	164 68	19,459 52	548,088 22	23,460
Hydro-Electric Railways (Guelph Div.)	14,466 96	8,520 77	17,617 91	3,136 07	21,691 01	6 15	6,571 00	72,009 87	21,534
International Railways (Niagara Falls Park and River Division)	23,084 55	8,237 41	4,570 97	6,583 04	15,151 68	3,463 80	2,348 57	63,440 02	47,580
International Transit Co.	7,999 12	2,361 81	5,693 22	7,870 00	12,389 86	....	4,830 50	41,144 51	17,724
Kitchener-Waterloo Street Railway	11,846 57	4,159 44	2,286 59	11,326 66	43,071 03	....	3,759 88	76,450 17	22,037
London Street Railway	16,226 14	27,197 99	28,145 05	39,298 86	83,992 99	7,832 48	231,932 70	434,626 21	††
Mount McKay & Kakabeka Falls Rly.	Line operated by City of Fort William.								
Niagara Peninsular Railway	150 00	981 76	932 00	2,604 80	2,776 27	....	....	7,444 83	††
Port Arthur Civic Railway	13,244 19	13,726 69	16,807 61	19,999 92	36,003 63	....	20,341 64	120,123 64	19,052
Sudbury-Copper Cliff Suburban Railway	5,518 47	3,341 86	2,324 14	8,356 63	17,208 32	....	6,410 80	43,160 22	41,984
Thurlow Railway	150 00	5,571 00	5,864 95	2,859 09	3,671 75	....	....	18,116 79	††
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.								
Toronto Transportation Commission	545,378 18	407,598 70	552,941 29	1,014,171 03	3,181,092 75	56,839 92	1,077,936 97	6,835,958 84	24,913
T.T.C.—North Yonge Railway	8,237 41	7,191 80	7,292 11	17,833 45	....	....	38,380 72	78,935 49	27,411
T.T.C.—Twp. York Railway	18,004 86	9,823 32	17,447 61	28,224 99	....	....	104,116 39	177,617 17	26,301
Wentworth Incline Railway	See Statement								

††Car miles not reported.

TABULATION OF CHARGES OTHER THAN OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1932

Name of Railway	Interest on Funded Debt	Interest or Discount on Funded Debt	Taxes	Transfer to Special Accounts	All Charges other than Operating Costs	Total Expenditure including Operating Costs	Total Expenditure excluding Operating Costs	Total Revenue from all sources	Per Car Mile Run		Net Deficit from Year's Operations	Net Surplus from Year's Operations
									Total Expenditure	Total Revenue		
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Cornwall Street Railway	9,100 00	....	2,067 64	20,000 00	37,203 86	a65,287 57	a11,203 86	89,825 24	a20,429	28,136	1,462 33	....
Fort William Electric Railway	59,580 00	....	....	30,926 72	90,506 72	a195,231 16	59,580 00	147,373 99	a26,357	19,896	78,783 89	....
Hamilton Street Railway	....	....	57,810 74	....	57,810 74	941,943 41	57,810 74	1,093,516 87	33,587	38,991	....	151,573 46
Huntsville & Lake of Bays Rly.	....	....	75 89	....	75 89	1,218 80	75 89	1,611 41	††	††	....	392 61
Hydro-Electric Rlys. (Sandwich, Windsor & Amherstburg Div.)	281,886 60	....	4,512 47	135,522 60	446,900 37	a859,465 99	a311,377 77	554,521 28	a36.791	23.703	440,467 31	....
Hydro-Elec. Rys. (Guelph Div.)	....	25,499 37	353 89	5,004 08	30,857 34	a97,863 13	a25,853 26	64,039 78	a29,218	19,124	38,827 43	....
International Rys. (Niagara Falls Park & River Div.)	20,901 64	11,446 09	343 80	29,298 47	69,541 36	a103,682 91	a40,242 89	54,628 04	a77,763	40,971	b78,353 34	....
Kitchener-Waterloo Street Rly.	....	10,626 24	580 61	1,837 28	....	a104,214 03	27,763 86	106,051 31	a30,040	30,570	....	....
International Transit	....	2,150 00	3,106 26	6,627 88	11,884 14	a46,400 77	a5,256 26	60,777 59	a19,990	26,184	....	7,748 94
London Street Railway	28,500 00	1,437 86	8,543 30	69,700 00	108,181 16	a473,107 37	a38,481 16	512,704 22	††	††	30,103 15	....
Mount McKay & Kakabeka Falls Railway	....	....	478 48	21,230 83	22,388 41	*	a1,157 58	2,027 78	††	††	20,360 63	....
Niagara Peninsular Railway	....	....	33 25	....	33 25	7,478 08	33 25	15,535 00	††	††	....	8,056 92
Port Arthur Civic Railway	23,988 01	....	22 23	9,898 92	34,009 16	a214,233 92	a94,110 24	142,688 49	a33,977	22,563	11,444 35	....
Sudbury-Copper Cliff Suburban Railway	4,500 00	3,200 00	....	....	7,700 00	50,860 22	7,700 00	44,670 54	53,173	43,565	6,189 68	....
Thurlow Railway (Steam)	....	....	26 71	11,548 34	5,026 71	23,143 50	5,026 71	19,055 00	††	††	15,636 84	....
Tillson Spur Line	All rolling stock owned and operated by Canadian National Railway											
Toronto Trans. Commission	1,860,956 72	....	203,181 69	2,317,245 11	4,404,850 53	a8,923,564 26	a2,087,605 42	11,243,785 48	a32,855	40,977	....	2,976 11
T.T.C.—North Yonge Rly.	....	....	90 27	....	90 27	79,025 76	90 27	81,653 43	26,525	27,400	....	2,627 67
T.T.C.—Twp. York Rlys.	54,804 52	8,583 62	....	83,109 45	146,497 59	a251,005 31	a63,388 14	239,020 21	35,181	33,502	95,094 55	....
Wentworth Incline Railway	See Statement											

††—Car miles not reported. *Time operated by City of Fort William.
(a) Does not include transfers to special accounts. (b) Operation terminated September 11th, 1932. (c) Includes $6,000.00 dividend.

TABULATION OF ASSETS AND LIABILITIES AS OF DECEMBER 31st, 1932

Name of Railway	Authorized Capital Stock	ASSETS			LIABILITIES				
		Cost of Railway Equipment, Land and Buildings	Cash and other Assets	Deficit	Capital Stock outstanding	Funded Debt	Current Liabilities	Accrued Liabilities	Surplus
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Cornwall Street Railway	200,000 00	434,691 60	12,640 16		200,000 00	130,000 00	13,090 95	81,068 17	23,172 64
Fort William Electric Railway		1,229,000 00	816,415 02	14,655 62		1,229,000 00	17,289 75	813,780 89	
Hamilton Street Railway	3,205,000 00	4,929,742 79	123,535 69		3,205,000 00		767,849 51	1,032,613 54	47,815 43
Huntsville & Lake of Bays Railway	27,800 00	31,331 20	10,125 98		27,800 00		2,021 18	11,243 39	392 61
Hydro-Electric Railways (Sandwich, Windsor & Amherstburg Division)		5,448,252 24	1,315,929 88	76,155 54		5,816,205 00	573,842 20	450,290 46	
Hydro-Electric Railways (Guelph Division)		444,205 06	65,315 48	7,318 66		376,494 59	2,635 79	137,708 82	
International Railways (Niagara Falls Park and River Div.)		Not reported							
International Transit	150,000 00	640,185 30	14,228 56		150,000 00		28,866 46	302,124 66	173,422 74
Kitchener-Waterloo Street Railway		513,517 73	49,126 29			185,905 42	261 75	376,477 05	
London Street Railway	637,480 00	1,339,556 50	69,054 83	58,973 00	637,480 00	475,000 00	48,259 31	306,845 02	
Mount McKay & Kakabeka Falls Railway	386,300 00	168,940 74	62,945 33	192,267 70	386,300 00			37,854 77	
Niagara Peninsular Railway	50,000 00	55,550 88	90,946 79		50,000 00				96,497 67
Port Arthur Civic Railway		639,152 86	551,414 75			550,584 00	35,402 11	584,608 71	19,972 79
Sudbury-Copper Cliff Suburban Railway	173,000 00	359,660 80	1,377 17	28,858 67	173,100 00	115,000 00	15,693 17	7,760 00	78,343 47
Thurlow Railway	25,000 00	77,172 98		44,143 44	25,000 00		96,316 42		
Tillson Spur Line Railway	20,000 00	All rolling stock owned and operated by Canadian National Railways							
Toronto Transportation Commission		51,362,826 07	6,067,961 40			32,697,439 76	771,478 17	23,353,747 25	608,122 29
Toronto Transportation Commission—North Yonge Rly.		107,549 10	1,706 26			106,627 69			2,627 67
Toronto Transportation Commission—Twp. York Rlys.		1,382,405 60	323,788 40	95,094 55		1,062,418 35	221,485 04	517,385 16	
Wentworth Incline Railway		See statement							

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RETURN FROM THE RECORDS

OF THE

BY-ELECTION

TO THE

LEGISLATIVE ASSEMBLY

IN THE ELECTORAL DISTRICT OF

WEST YORK, held on the 17th and 28th days of May, 1932.

SHOWING

(1) The number of Votes Polled for each Candidate;
(2) The majority whereby the successful Candidate was returned;
(3) The total number of Votes Polled;
(4) The number of Votes remaining Unpolled;
(5) The number of Names on the Polling Lists;
(6) The number of Ballot Papers sent out to each Polling Place;
(7) The Used Ballot Papers;
(8) The Unused Ballot Papers;
(9) The Rejected Ballot Papers;
(10) The Cancelled Ballot Papers;
(11) The Declined Ballot Papers; and
(12) The Ballot Papers taken from Polling Places;
(13) The number of printed Ballots not distributed to D.R.O's.
(14) The number of ballot papers printed.

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO

SESSIONAL PAPER No. 25, 1933

ONTARIO

TORONTO
Printed and Published by Herbert H. Ball, Printer to the King's Most Excellent Majesty
1933

TO THE HONOURABLE
The Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Return of the By-Election as held in the Electoral District of West York in the year 1932.

Respectfully submitted,

WILLIAM H. PRICE,
Attorney-General.

Department of the Attorney-General,
February 1st, 1933.

THE HONOURABLE W. H. PRICE,
Attorney-General.

SIR:

I have the honour to submit to you the Return of the By-Election as held in the Electoral District of West York in the year 1932.

Respectfully submitted,

C. F. BULMER,
Clerk of the Crown in Chancery.

Toronto, February 1st, 1933.

Constituency	Seat Vacated by the	Date
York West	Death of Member	January 6th, 1932

RETURNING OFFICER

Constituency	Name	Post Office
York West	Robert J. Wallace	Swansea

STATEMENT OF VOTES POLLED: Number of Polling Places and Number of Names on Voters' Lists

Constituency	No. of Polling Places	No. of Votes Polled	No. of Names on Voters' Lists
York West	110	15,907	35,406

SUMMARY OF VOTES CAST AT THE BY-ELECTION HELD IN THE YEAR 1932

Showing the number of votes polled for each candidate and the majority accorded to the one elected.

Constituency	Candidates	Votes Polled	Remarks
York West	Henry I. Price	6,485	
	William G. Gardhouse	5,641	
	John W. Buckley	3,699	
	James M. Reid	82	
	Majority for Price	844	

C. F. Bulmer,
Clerk of the Crown in Chancery.

RETURN FROM THE RECORDS OF THE BY-ELECTION TO THE LEGISLATIVE ASSEMBLY IN 1932

Electoral District	Numbers of Polling Places	Names of Candidates and Number of Votes Polled for Each				Voters at each Polling Place			Ballot Papers sent out and how disposed of in each Polling Place						
		Buckley	Gardhouse	Price	Reid	Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of Names on the Polling Lists.	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers.	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
West York...	Long Branch.........No. 1 A	35	44	52	....	131	721	1,334	300	131	169	....	....	....	....
	" .... " 1 B	42	44	56	....	142			300	142	158	....	....	....	....
	" .... " 1 C	46	43	63	1	153			300	153	147	....	....	....	....
	" .... " 1 D	27	37	56	1	121			300	125	171	4	....	....	....
	" .... " 1 E	14	17	34	1	66			200	66	134	....	....	....	....
	" .... " 2 A	60	32	77	....	169	365	780	325	173	148	3	....	1	....
	" .... " 2 B	30	29	57	4	120			225	124	97	4	....	....	....
	" .... " 2 C	47	21	58	....	126			250	129	118	3	....	....	....
	Etobicoke Twp....... " 3 A	31	87	83	1	202	520	1,059	375	202	173	....	....	....	....
	" .... " 3 B	25	61	76	1	163			325	164	160	1	....	....	....
	" .... " 3 C	35	62	77	....	174			375	175	199	1	....	....	....
	" .... " 4 A	49	55	62	....	166	1,044	1,198	400	166	234	....	....	....	....
	" .... " 4 B	38	47	79	4	168			450	169	280	1	....	....	....
	" .... " 4 C	44	50	58	2	154			400	154	246	....	....	....	....
	" .... " 5 A	86	32	59	....	177	525	1,303	350	178	171	1	....	....	....
	" .... " 5 B	102	43	78	2	225			350	226	123	1	....	....	....
	" .... " 5 C	130	24	34	....	188			350	190	158	....	....	2	....
	" .... " 5 D	105	32	51	....	188			350	190	158	1	....	1	....
	" .... " 6 A	27	72	186	1	286	650	1,181	600	288	310	2	....	....	....
	" .... " 6 B	14	60	172	2	248			600	248	352	....	....	....	....
	" .... " 7 A	46	64	59	....	169	857	1,485	400	170	229	....	1	....	....
	" .... " 7 B	27	61	64	....	152			375	153	221	1	....	....	....
	" .... " 7 C	26	76	46	....	148			400	149	250	1	....	....	....
	" .... " 7 D	24	60	74	1	159			350	159	191	....	....	....	....
	" .... " 8 A	17	90	73	....	180	328	685	350	192	152	6	....	....	....
	" .... " 8 B	8	96	72	1	177			350	178	171	1	....	....	....

ROBERT J. WALLACE,
Returning Officer.

RETURN FROM THE RECORDS OF THE BY-ELECTION TO THE LEGISLATIVE ASSEMBLY IN 1932—*Continued*

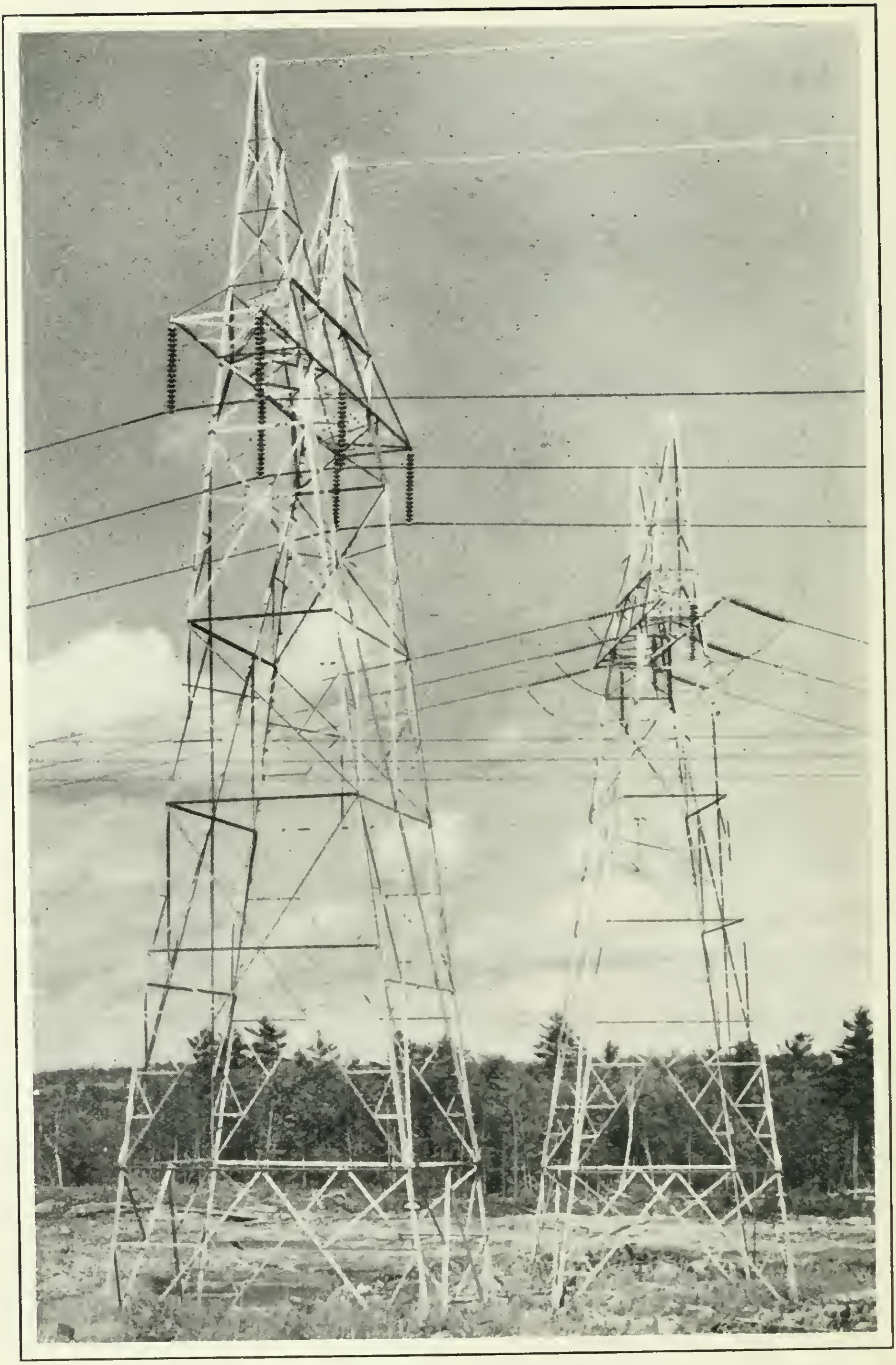
Electoral District	Numbers of Polling Places	Names of Candidates and Number of Votes Polled for Each				Voters at each Polling Place			Ballot Papers sent out and how disposed of in each Polling Place						
		Buckley	Gardhouse	Price	Reid	Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of Names on the Polling Lists.	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers.	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
West York—*Con.*	Etobicoke Twp.......No. 9	2	77	16	....	95	83	178	200	95	105	....	....	....	....
	" .... " 10	5	225	69	....	299	139	438	450	303	143	4	....	....	....
	" .... " 11	....	114	19	....	133	62	195	200	133	67	....	....	....	....
	" .... " 12	10	77	64	1	152	183	335	350	154	194	....	2	....	....
	New Toronto........ " 1	47	30	88	1	166	149	315	325	167	157	1	....	....	....
	" .... " 2	79	80	104	....	263	260	523	525	264	260	1	....	....	....
	" .... " 3	48	70	69	....	187	297	484	500	191	305	3	....	1	....
	" .... " 4	54	81	101	1	237	233	470	475	237	238	....	....	....	....
	" .... " 5	66	48	57	....	171	180	351	350	174	173	2	1	....	....
	" .... " 6	47	40	55	1	143	109	252	250	147	99	4	....	....	....
	" .... " 7	39	23	55	....	117	100	217	225	120	102	2	1	....	....
	" .... " 8	38	43	52	....	133	137	270	275	134	140	1	....	....	....
	" .... " 9	47	30	67	1	145	150	305	325	146	178	1	....	....	....
	" .... " 10	73	57	70	4	204	256	512	525	208	313	4	....	....	....
	Special Poll. Ont. Hospital.....	2	4	45	1	52			125	55	67	2	....	1	....
	Mimico.............No. 1 A	4	33	29	....	66	170	306	175	67	107	1	....	....	....
	" .... " 1 B	16	28	25	1	70			150	70	80	....	....	....	....
	" .... " 2 A	9	46	46	....	101	156	390	200	104	93	2	1	....	....
	" .... " 2 B	13	65	54	1	133			200	133	67	....	....	....	....
	" .... " 3	16	85	90	4	195	124	389	400	198	199	3	....	....	....
	" .... " 4 A	8	24	28	....	60	125	268	125	61	63	1	....	....	....
	" .... " 4 B	7	32	26	....	65			150	67	81	....	2	....	....
	" .... " 5	46	110	72	....	228	266	494	500	231	266	3	....	....	....
	" .... " 6 A	9	47	57	....	113	237	445	250	114	135	1	....	....	....
	" .... " 6 B	8	35	52	....	95			200	97	101	....	2	....	....

“	“ 7 A	35	34	43	....	112	278	490	250	113	136	1	....	....	....
“	“ 7 B	18	42	39	1	100			250	101	148	1	....	....	....
“	“ 8 A	48	31	36	....	115	220	453	250	116	133	1	....	....	....
“	“ 8 B	46	27	44	1	118			200	119	80	1	....	....	....
“	“ 9 A	46	42	39	7	134	195	433	250	135	114	1	....	....	....
“	“ 9 B	35	40	36	3	114			200	117	80	2	1	....	....
“	“ 10	46	24	63	4	137	107	244	250	141	105	4	....	....	....
Swansea	No. 1	15	80	97	....	192	377	569	575	192	383	....	....	....	....
“	“ 2	25	78	93	....	196	344	540	550	196	354	....	....	....	....
“	“ 3	34	51	78	....	163	327	490	500	164	335	1	....	....	....
“	“ 4	24	51	70	1	146	289	435	450	148	300	2	....	....	....
“	“ 5	32	48	70	....	150	294	444	450	151	298	1	....	....	....
“	“ 6	8	53	65	....	126	344	470	475	126	349	....	....	....	....
“	“ 7	36	48	71	1	156	276	432	450	163	280	7	....	....	....
Weston	No. 1 A	4	105	66	....	175	295	635	325	177	146	....	2	....	....
“	“ 1 B	20	106	39	....	165			350	167	181	1	1	....	....
“	“ 2 A	3	81	64	1	149	316	589	300	151	147	2	....	....	....
“	“ 2 B	4	80	40	....	124			300	125	174	....	....	1	....
“	“ 3 A	7	41	50	1	99	347	551	300	100	199	1	....	....	....
“	“ 3 B	2	49	54	....	105			250	105	145	....	....	....	....
“	“ 4 A	5	96	67	1	169	405	753	375	170	204	1	....	....	....
“	“ 4 B	8	115	56	....	179			375	183	188	3	....	1	....
“	“ 5 A	6	88	72	1	167	314	622	325	167	158	....	....	....	....
“	“ 5 B	7	87	46	1	141			300	141	159	....	....	....	....
York Twp.	No. 77	33	53	41	....	127	102	229	250	129	119	....	....	2	....
“	“ 78	59	37	44	....	140	181	321	325	143	179	3	....	....	....
“	“ 79	73	26	59	1	159	183	342	350	160	189	1	....	....	....
“	“ 80	56	46	92	....	194	172	366	375	199	171	5	....	....	....
“	“ 81	71	21	39	....	131	132	263	275	132	142	1	....	....	....
“	“ 82	111	34	57	3	205	199	404	425	207	216	2	....	....	....
“	“ 83	45	43	88	1	177	163	340	350	178	171	1	....	....	....
“	“ 84	34	20	50	1	105	170	275	275	108	164	3	....	....	....
“	“ 85	43	53	126	1	223	274	497	500	230	263	6	....	1	....
“	“ 86	59	45	66	3	173	197	370	375	175	198	2	....	....	....
“	“ 87	52	28	76	2	158	160	318	325	161	161	3	....	....	....
“	“ 88	42	37	49	1	129	153	282	300	131	167	2	....	....	....
“	“ 89	57	44	104	....	205	246	451	450	207	241	2	....	....	....
“	“ 90	75	45	60	....	180	220	400	400	182	216	1	1	....	....
“	“ 91	71	22	61	....	154	183	337	350	155	194	1	....	....	....
“	“ 92	27	23	45	....	95	166	261	275	96	178	1	....	....	....
“	“ 93	24	53	46	....	123	176	299	300	125	173	2	....	....	....
“	“ 94	38	32	60	2	132	198	330	350	132	218	....	....	....	....
“	“ 95	25	49	38	....	112	222	334	350	114	234	2	....	....	....
“	“ 96	23	30	34	....	87	174	261	275	87	188	....	....	....	....
“	“ 97	42	50	65	....	157	278	435	450	158	291	1	....	....	....

RETURN FROM THE RECORDS OF THE BY-ELECTION TO THE LEGISLATIVE ASSEMBLY IN 1932—*Continued*

Electoral District	Numbers of Polling Places	Names of Candidates and Number of Votes Polled for Each				Voters at each Polling Place			Ballot Papers sent out and how disposed of in each Polling Place						
		Buckley	Gardhouse	Price	Reid	Total Number of Votes Polled.	Number of Votes remaining Unpolled.	Number of Names on the Polling Lists.	Number of Ballot Papers sent out to each Polling Place.	Used Ballot Papers.	Unused Ballot Papers.	Rejected Ballot Papers.	Cancelled Ballot Papers.	Declined Ballot Papers.	Ballot Papers taken from Polling Places.
West York—*Con.*	York Twp. . . . . No. 98	69	61	65	. . . .	195	385	580	600	196	403	1	. . . .	. . . .	. . . .
	" . . . . " 99	44	31	40	. . . .	115	273	388	400	118	279	. . . .	. . . .	3	. . . .
	" . . . . " 100	40	82	48	1	171	346	517	525	173	350	2	. . . .	. . . .	. . . .
	" . . . . " 101	52	20	24	. . . .	96	87	183	200	97	102	1	. . . .	. . . .	. . . .
	" . . . . " 102	25	44	25	1	95	260	355	375	95	280	. . . .	. . . .	. . . .	. . . .
	" . . . . " 103	1	44	25	. . . .	70	161	231	250	70	180	. . . .	. . . .	. . . .	. . . .
	" . . . . " 104	5	36	33	. . . .	74	269	343	350	75	274	1	. . . .	. . . .	. . . .
	" . . . . " 105	2	46	39	. . . .	87	225	312	325	87	238	. . . .	. . . .	. . . .	. . . .
	" . . . . " 106	46	43	71	3	163	277	440	450	165	283	2	. . . .	. . . .	. . . .
	" . . . . " 107	3	68	70	. . . .	141	136	378	400	141	259	. . . .	. . . .	. . . .	. . . .
	" . . . . " 108	4	18	57	. . . .	79	170	249	250	79	171	. . . .	. . . .	. . . .	. . . .
	Advance Poll, New Toronto. . .	. . . .	10	3	. . . .	13	. . . . . .	. . . . . .	100	13	87	. . . .	. . . .	. . . .	. . . .
	" Mimico.	6	4	20	1	31	. . . . . .	. . . . . .	100	31	69	. . . .	. . . .	. . . .	. . . .
	" York Twp.	. . . .	3	1	. . . .	4	. . . . . .	. . . . . .	100	4	96	. . . .	. . . .	. . . .	. . . .
	Totals.	3,699	5,641	6.485	82	15,907	19,692	35,406	36,850	16,085	20,593	143	15	14	. . . .
	Majority for Price.			844											

Total number of printed ballots not distributed to D.R.O.'s: 1,655.
Total number of ballot paper printed: 38,505.



HYDRO 220,000-VOLT TRANSMISSION LINES

Semi-anchor towers at approaches to Chats Falls generating Station. Dead-ending and double suspension of 795,000 circular mil steel-reinforced aluminum conductors are shown. The two ⅜″ diameter steel ground wires are shown elevated, on these approach towers, 19 feet higher than on standard construction.

TWENTY-FIFTH ANNUAL REPORT

OF THE

HYDRO-ELECTRIC POWER COMMISSION

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1932

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO
Printed and Published by Herbert H. Ball, Printer to the King's Most Excellent Majesty
1933

THE

HYDRO-ELECTRIC POWER COMMISSION

OF ONTARIO

Hon. J. R. Cooke, M.L.A.	*Chairman*
C. Alfred Maguire	*Commissioner*
Rt. Hon. Arthur Meighen, P.C., K.C.	*Commissioner*
W. W. Pope	*Secretary*
F. A. Gaby, B.A.Sc., D.Sc	*Chief Engineer*

To His Honour

THE HONOURABLE HERBERT A. BRUCE, R.A.M.C., M.D., F.R.C.S.,
Lieutenant-Governor of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to your Honour the Twenty-fifth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year ending October 31, 1932.

This Report covers all of the Commission's activities and also embodies the financial statements for the calendar year 1932, of the municipal electric utilities operating in conjunction with the various systems of the Commission and supplying electrical service to the citizens of the Province.

Dealing, as it does, with a multiplicity of activities relating to several electrical systems obtaining power from thirty-eight hydro-electrical developments operated by the Commission, supplemented by power purchased from other sources, and recording financial and other data relating to the individual local municipal electric utilities, the Annual Report presents a large amount of statistical information, much of which must, of necessity, be of a summary character.

The financial statements, the statistical data and the general information given, however, are so arranged and presented as to give a comprehensive survey of the Commission's operations. Not only does the Report record the progress made during the past year, but it gives, in addition, certain cumulative results for the various periods during which operation has been maintained in the respective municipalities.

At the end of the fiscal year the number of municipalities served in Ontario by the Commission was 747. This number included 27 cities, 95 towns, 267 villages and police villages and 358 townships. With the exception of 13 suburban sections of townships known as voted areas, the townships and 88 of the smaller villages are served as parts of 172 rural power districts.

Constructional Activities

Constructional activities during 1932 were limited in scope, and consequently capital outlays by the Commission were much reduced. The chief work undertaken was the completion of the Chats Falls development on the Ottawa river, to the stage at present decided upon. Eight turbines are now installed. The present normal capacity of the development is 192,000 horsepower—half of which is owned by the Commission and half by the Ottawa Valley Power Company in the Province of Quebec.

At the Commission's transformer station at Chats Falls the third and fourth banks of transformers were installed providing for a total output of 188,400 kv-a. A 220,000-volt transmission line 100 miles long similar to the other 220,000-volt lines built by the Commission was constructed from Beaudet on the Ontario-Quebec boundary to Chats Falls, to transmit the power being received from the Beauharnois development on the St. Lawrence river. At Cumberland, on this transmission line, about 45 miles from Chats Falls, a switching station has been provided to form a junction point for a transmission line being constructed from the MacLaren power site on the Liévre river.

It will thus be seen that Chats Falls has become an important power supply centre. Power is assembled here from the development at Chats Falls and from Beauharnois, and in the near future supplies of power will also come from the MacLaren development. In addition, of course, power supplies from the Gatineau River plants cross the Ottawa river at this point.

In the Niagara district at Queenston the temporary wooden bridge, which carried Queen street over the railway which serves the Queenston generating station, was replaced by a new steel bridge. At the village of Chippawa a new approach span for the highway bridge crossing the Welland river was erected.

Throughout the several systems changes and improvements are constantly being made with a view to the maintenance of equipment at high efficiency. In this connection special attention continues to be given to the problem of protection by high-speed relays and other special devices.

Operating Conditions

During the past year the quality of service rendered throughout the several systems and districts was generally satisfactory. Interruptions were few in number and most of those that did occur affected relatively small areas. No serious failures of equipment occurred.

In those districts where the water supply is an important operating feature, notably those served by the Georgian Bay, Eastern Ontario and Thunder Bay systems, the amount and seasonal distribution of the flow of the various rivers were very favourable during the year; more so than for several years past.

Among the new developments in operating equipment may be mentioned the new permanent-magnet generator installed for governor drive on one of the units at Alexander. This is the first governor drive of this type to be used. It has proved very satisfactory and represents a distinct advance in engineering design. The automatic synchronizing equipment installed at the same station is the first installation of equipment of this nature in any station of the Commission and one of the first installations anywhere on generators of such large size. Supervisory equipment for remote control at Alexander generating station was put into service during the year. This is one of the largest stations in which such automatic control equipment has been installed up to the present time. Throughout the systems generally the special attention given to high-speed relay protection has improved service and given additional protection to equipment. Details of this and other operating features are given in the body of this report.

In connection with the operation of its transmission and distribution lines the Commission maintains a Forestry division with an expert field staff. The work of this staff has met with very favourable reception from property owners and public officials. During the year more than 46,000 trees were pruned, cabled or removed at an average overall cost of $1.85 per tree.

Cost of Electrical Service Furnished by the Commission

The function of the Commission is not only to use its best endeavours to provide for the people of Ontario an adequate and reliable supply of electrical energy, but also to ensure that the cost of that electrical energy to the consumers shall be the minimum consistent with the financial stability of the enterprise. The success that has been attained in the accomplishment of the latter object may be appreciated by a careful study of the actual rates to consumers as presented in Statement "E," and of the statistical data setting forth the results that have been attained for the consumers under these rates, as presented in Statement "D," in conjunction with the various financial statements of the Report.

The bill for retail service rendered, is the practical aspect of Hydro service with which the average consumer is most concerned. It is, therefore, a satisfaction to note that except in a very few cases the rates for service during the period of depression have been maintained at their low levels or have been made lower.

The knowledge that there are substantial reserves of power which can be distributed at low cost is a distinct encouragement to the industrial organizations of the Province. Moreover, notwithstanding the generous use made of electrical service by the domestic and rural consumers in Ontario, there is still a large potential market for numbers of electrical appliances which the low cost of electricity makes it economically practicable to use. In this connection the Commission is inaugurating a campaign for the greater use of domestic hot-water heaters.

LOAD CONDITIONS

The demand for power in Ontario has continued at approximately the same levels as during the previous year.

It has been the custom to show at this place in the Annual Report the total loads for October and December of the current and previous years. Conforming with last year's Report, and for reasons fully stated therein, the following figures are first presented relating to Canadian load only, that is, exclusive of export power.

	October 1931	December 1931	October 1932	December 1932
Niagara system (Canadian load only)....	756,032	775,180	789,008	786,059
Other systems, total..................	245,273	253,114	239,438	251,898
Grand total (Canadian loads only).......	1,001,305	1,028,294	1,028,446	1,037,957

It will be noted that the figures for the current year show a slight increase over the previous year. Comparing figures for the complete fiscal years of 1932 and 1931, the average load of all systems in Ontario shows a slight decrease, amounting to 1½ per cent. A slight improvement in conditions towards the end of the year may be inferred from the fact that, although the average load for the entire fiscal year decreased slightly, the loads for October and December, which are presented in the table above, show an increase.

As special publicity has been given to the effect of the business depression on power sales, it is appropriate to call attention to the fact that the Commission is selling more power and operating more power stations and transmission lines than it did in 1928, the year before the depression started. The depression has had, of course, a marked effect on the sale of power. A substantial proportion of the industrial plant of Ontario is at present idle, or working far below its capacity, and power temporarily discontinued in respect of such industrial plant has not been entirely absorbed by the continued growth of domestic and certain other demands. The net result has been to postpone the substantial increases in total load that otherwise would have occurred in these years.

The following tabulation corresponds to that given for several years in this place in the Report and shows the power supplies to the various systems at the close of the year including, in the case of the Niagara system and of the grand total, export power as well as power for Canadian use. The lessened industrial activity has continued to curtail the market for surplus power. Apart from its export of power under the firm power contracts acquired by the Commission in its purchase of the Ontario Power Company, there has been practically no export of power during the past two years.

DISTRIBUTION OF POWER TO SYSTEMS

20-Minute Peak Horsepower

System Coincident Peak

System	October 1931	December 1931	October 1932	December 1932
Niagara system	805,630	828,200	839,946	838,338
Dominion Power and Transmission system	48,659	56,166	43,968	48,525
Georgian Bay system	26,356	27,531	25,666	26,424
Eastern Ontario system*	85,857	91,253	80,544	86,716
Thunder Bay system	51,600	50,300	65,700	63,800
Northern Ontario system:				
Sudbury and Abitibi districts	27,200	21,850	17,761	20,576
Nipissing district	3,689	4,088	3,751	3,799
Patricia district	1,912	1,926	2,048	2,058
Totals	1,050,903	1,081,314	1,079,384	1,090,236

*Eastern Ontario system includes Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska districts.

Financial Summaries

The financial statements embodied in this Report are presented in two main divisions, namely, a division—Section IX—which deals chiefly with the operations of the Commission in the generation, transformation and transmission of electrical energy to the co-operating municipalities; and a division—Section X—which deals with the various operations of the municipal electric utilities in the localized distribution of electrical energy to consumers. In Section IX, "Rural Operating" reports are also given, which summarize the results of the local distribution of rural electrical service by the Commission to the individual consumers in rural power districts. This work is performed by the Commission on behalf of the respective townships co-operating to provide rural service.

The cumulative results of the operation of the several systems of the Commission as set forth in this Report demonstrate a sound financial condition.

Capital Investment

The total investment of the Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is $273,248,829.59, exclusive of government grants in respect of construction of rural power districts' lines; and the investment of the municipalities in distributing systems and other assets is $109,309,934.16, making in power and hydro-electric railway undertakings a total investment of $382,558,763.75.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings:

Niagara system	$202,098,894.93
Chats Falls development	5,878,493.70
Georgian Bay system	8,329,025.78
Eastern Ontario system (including Nipissing district)	21,060,823.96
Thunder Bay system	18,480,738.51
Northern Ontario Districts (including the Generating Plants, Transmission Lines and Transformer Stations in the Sudbury, Patricia and Abitibi Districts)	10,786,686.10
Hydro-Electric railways	1,985,113.20
Office and service buildings, construction plant, inventories, etc	4,629,053.41
	$273,248,829.59
Municipalities distributing systems and other assets (exclusive of $23,066,129.81 of municipal sinking fund equity in H.E.P.C. system)—all systems	109,309,934.16
	$382,558,763.75

REVENUE OF COMMISSION

The revenue of the Commission derivable from the municipal utilities operating under cost contracts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, aggregates $28,055,895.46.

The following statement shows how this revenue has been appropriated:

Revenue from municipal electric utilities and other power customers		$28,055,895.46
Operation, maintenance, administration, interest and other current expenses	$25,968,030.62	
Reserves for sinking fund, renewals, contingencies and obsolescence provided in the year	4,666,229.51	
	$30,634,260.13	
Less: Appropriated from obsolescence and contingencies reserves	2,668,147.78	
		27,946,112.35
Net balance credited to municipalities under cost contracts		$109,783.11

In connection with the foregoing statement it should be noted that, in making its annual determinations of costs chargeable for power supplied to the participating municipalities, the Commission for many years has followed a policy which recognizes the desirability of stabilizing the costs per horsepower one year with another. Commencing with 1926 and continuing to 1930, there were included in the amounts set aside to the reserve for obsolescence and contingencies, additional sums designed to care for possible lean years that might come in the future. A proportion of these extra reserves was derived from the sale of surplus power. In 1932 the contingency reserve was drawn upon in the case of the Niagara system to the extent of $2,544,648.63, and the similar reserve in respect of the Thunder Bay system was drawn upon to the extent of $143,499.15. This relief was given to the municipalities in their cost of power to compensate for the increased costs and reduced revenues in the year. In all other respects the various reserves have continued to be accumulated on the same basis as formerly, with the result that in the aggregate the reserves of the Commission show a net increase for 1932 of $3,741,074.72 as compared with the totals at the end of 1931.

Rural Electrical Service

During the past few years very substantial progress has been made in Ontario in the field of rural electrification. Practically all rural electrical service is now given through rural power districts which are operated directly by the Commission. There is now rather more than $16,964,000 invested in the rural power district systems established by the Commission. Towards this rural work the Ontario Government, pursuant to its policy of promoting the basic industry of agriculture, has, in the form of grants-in-aid, contributed 50 per cent of the costs of transmission lines and equipment, or some $8,393,000. A total of 8,918 miles of transmission lines have been constructed to date, of which 721 miles were constructed during the past year. There are now more than 60,000 customers supplied in the rural power districts.

RURAL POWER DISTRICTS—OPERATIONS FOR THE YEAR 1932

	Niagara system	Georgian Bay system	Eastern Ontario system	Thunder Bay system	Totals
	$ c.	$ c.	$ c.	$ c.	$ c.
Cost of power as provided to be paid under Power Commission Act	793,950.49	100,332.42	183,372.39	547.62	1,078,202.92
Cost of operation, maintenance and administration	546,720.01	49,909.36	118,744.58	412.59	715,786.54
Interest	290,757.17	34,832.21	72,097.43	368.45	398,055.26
Renewals	236,925.30	26,145.83	59,621.00	264.72	322,956.85
Obsolescence and contingencies	118,462.65	26,145.83	29,810.50	132.36	174,551.34
Sinking fund	63,315.62	7,237.63	16,015.88	69.69	86,638.82
Total expenses	2,050,131.24	244,603.28	479,661.78	1,795.43	2,776,191.73
Revenue from customers	2,070,703.84	215,718.07	464,258.52	1,672.97	2,752,353.40
Net surplus, all districts	20,572.60	....	....	....	20,572.60
Net deficit, all districts	....	28,885.21	15,403.26	122.46	44,410.93
Net deficit, all systems	....	....	....	....	$23,838.33

Municipal Electric Utilities

The following is a summation of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities		$31,216,210.12
Cost of power	$19,109,036.25	
Operation, maintenance and administration	5,492,591.38	
Interest	2,532,940.93	
Sinking fund and principal payment on debentures	2,244,367.86	
		29,378,936.42
Amount available and set aside for depreciation and other reserve purposes		$1,837,273.70

The setting-up of the reserves on rates customarily adopted in the past would have required an amount of $1,920,896.22, which is $83,622.52 in excess of the amount shown in the foregoing table as available for the present year. In this connection it is important to note that the municipal Hydro utilities provide for the retirement of their capital liabilities by either the instalment or sinking-fund method, and such payments are treated as part of the cost of the service.

Reserves of Commission and Municipal Electric Utilities

The total reserves of the Commission and the municipal electric utilities for sinking fund, renewals, contingencies and insurance purposes amount to $122,770,103.91 made up as follows:

Niagara system	$50,900,344.13
Georgian Bay system	2,482,836.51
Eastern Ontario system	5,228,590.62
Thunder Bay system	2,739,224.49
Northern Ontario districts—Sudbury and Patricia	164,783.67
Service building and equipment	664,713.82
Bonnechere storage	1,733.81
Hydro-Electric Railways (Guelph)	109,240.31
Insurance, workmen's compensation and staff pensions	3,854,019.25
Total reserves of the Commission	$66,145,486.61
Total reserves of municipal electric utilities	56,624,617.30
Total Commission and municipal reserves	$122,770,103.91

As has been commented above in connection with the statement of revenues, the total reserves of the Commission increased in 1932 by $3,741,074.72 over the total for 1931, which was $62,404,411.89. The fact that the net increase in total reserves was, in 1932, less than in some former years, reflects the advantageous working out of the Commission's policy of cost stabilization, under which withdrawals were made in 1932 from special reserves provided out of revenues of earlier years for that purpose. The net increase in the total of Commission and municipal reserves for the year was $7,130,377.53.

The consolidated balance sheet of the municipal electric utilities, on page 262, shows a total cash balance of $3,185,442.00, and bonds and other investments of $2,059,325.10. The total surplus in the municipal books now amounts to $39,820,131.64 in addition to depreciation and sundry other reserves aggregating $16,804,485.66; these two amounts making the total of $56,624,617.30 shown in the above table.

* * *

The following is a brief summary of the principal operations relating to the several systems of the Commission:

NIAGARA SYSTEM

The Niagara system embraces all territory lying between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west served with electrical energy generated at plants on the Niagara river, supplemented with purchased power transmitted from plants on the Gatineau, St. Lawrence and Ottawa rivers. A few municipalities and districts of the Niagara system are served also with power developed at DeCew Falls.

Power as supplied to the Commission by the Gatineau Power Company is received by the Commission at the interprovincial boundary on the Ottawa river and is transmitted over two 220,000-volt steel-tower transmission lines to Leaside. Power obtained from Chats Falls development on the Ottawa river, which plant was constructed jointly by the Commission and the Ottawa Valley Power Company, formerly the Chats Falls Power Company, is transmitted from Chats Falls to Leaside over a third 220,000-volt steel-tower line.

Arrangements for progressive delivery of increased quantities of power, made some years ago, will furnish power supplies for this system, which, with a moderately rapid return to normal business conditions, should be adequate for the immediate future. In addition to power contracted for with the Gatineau Power Company and power obtained from the development at Chats Falls, which provides the Commission with 192,000 horsepower, the Commission holds contracts for the delivery of additional power, amounting eventually to 250,000 horsepower, to be developed on the St. Lawrence river by the Beauharnois Light, Heat & Power Company, and 125,000 horsepower to be delivered to the Commission as required from a plant on the Liévre river under a contract with the James MacLaren Company Limited, subsequently assigned to a subsidiary power company known as MacLaren-Quebec Power Company. Commencing in October, 1932, the first block of 35,000 horsepower was taken under the contract with the Beauharnois Light, Heat & Power Company.

The undertakings and companies of the Dominion Power & Transmission Company Limited which were purchased in 1930 have been operated since November 1, 1931, as part of the Niagara system. An agreement was entered into with the Hamilton Hydro-Electric System and the Brantford Hydro-Electric System, by which the Commission sold the distribution systems, substations and other properties in these cities.

The total capital invested by the Commission on behalf of the co-operating municipalities of the Niagara system amounts to $207,977,388.63. This amount includes the investment in the power properties purchased from the Dominion Power and Transmission Company (which have been merged with, and now form part of the Niagara system), also the Commission's share of the generating plant at Chats Falls, together with the transformer and switching stations at that point and the transmission lines from the Ottawa river to the Niagara system. The accumulated reserves for renewals, obsolescence, contingencies and sinking fund, aggregate $50,900,344.13.

From the rural power districts of this system, which are directly operated by the Commission, the revenue received for the year from customers was $2,070,703.84, and the total cost of supplying the service was $2,050,131.24, leaving a balance of $20,572.60, which is placed to the credit of districts in this system.

With respect to the electric utilities of the various urban municipalities of the Niagara system, the cost of power, as adjusted by the Commission at the close of the year was $208,934.39 less than the total amount collected at the interim rates and this sum has been credited to the municipal utilities. The total revenue of the municipal electric utilities served by this system was $25,499,082.64.

After meeting all expenses in respect of operation—including interest—setting up the usual standard depreciation reserve (which amounted to $1,594,493.31) and providing $2,037,378.48 for the retirement of instalment and sinking-fund debentures, the total net shortage for the year for the municipal electric utilities served by the Niagara system amounted to $216,354.05.

Georgian Bay System

The territory served by the Georgian Bay system includes that portion of the Province adjacent to Georgian bay and lake Simcoe. The area extends from Huntsville in the north to Port Perry in the southeast, and on the west and north it is bounded by lake Huron and Georgian bay. It thus takes in the counties of Bruce, Grey, Dufferin, and Simcoe, and the northern portions of the counties of Huron, Wellington and Ontario, as well as a large portion of the district of Muskoka.

During the year the properties of the Mildmay Electric Company and the Formosa Electric Light Company were purchased by the Commission and merged with the Georgian Bay system. By this arrangement the last of the districts directly, or indirectly, connected with the W. B. Foshay Company's operations in Bruce county have been taken over by the Commission and the entire area in Bruce county consolidated with the Georgian Bay system.

Electrical energy is obtained from eleven hydro-electric generating plants, three of which are situated on the south branch of the Muskoka river, two on the Muskoka river at Bala, two on the Severn river, one on the Beaver river, and three on the Saugeen river, supplemented by power from the Niagara system through frequency changer stations at Hanover and Mount Forest.

The demands of the various municipalities throughout the year remained practically the same as in the previous year; an expansion, however, took place in rural power districts, both in the area served and in the number of consumers in existing districts. The increase in the system demand over the previous year is almost entirely due to these conditions.

As this was a good water year there was a surplus of water at all plants, and ample capacity was available for supplying the additional power demand.

The total capital invested by the Commission on behalf of the co-operating municipalities of the Georgian Bay system is $8,329,025.78, and the accumulated reserves for renewals, obsolescence, contingencies, and sinking fund aggregate $2,482,836.51.

The revenue received for the year from customers in rural power districts of this system which are directly operated by the Commission was $215,718.07, and the total cost of supplying service was $244,603.28, leaving a balance of $28,885.21, which has been charged to districts in this system.

With respect to the electric utilities of the various urban municipalities of the Georgian Bay system, the actual cost of power supplied by the Commission for the year was $10,546.19 less than the total amount collected at the interim rates. This sum has been credited to the municipalities operating under cost contracts. The total revenue of the municipal electric utilities served by this system was $1,153,622.31, an increase of $38,419.49 over the previous year.

After meeting all expenses in respect of operation—including interest—setting up the usual standard depreciation reserve (which amounted to $68,893.47) and providing $57,236.15 for the retirement of instalment and sinking-fund debentures, the total net shortage for the year for the municipal electric utilities served by the Georgian Bay system amounted to $47,082.77.

Eastern Ontario System

This system serves that part of Ontario lying east of the areas served by the Georgian Bay and Niagara systems. The districts included are the Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska.

Power is supplied from developments owned by the Commission on the Trent Canal system and the Mississippi and Madawaska rivers. Power is purchased from the Gatineau Power Company, the Cedar Rapids Transmission Company, the Rideau Power Company, the Corporation of Campbellford and the Beach estate at Iroquois. No major changes were made in generation or transmission facilities during the year.

The corporation of Trenton purchased the local electric distribution system, and the corporation of Cobourg purchased the local electric distribution system and waterworks from the Commission. The purchases were made on the basis of the Commission's book value of the plants less accumulated renewal reserves. These municipalities entered into contracts for the purchase of power at cost from the Commission.

All the municipal distribution properties forming part of the Electric Power Company property have now been sold to the municipalities concerned, except the plants in Millbrook, Newburgh, Newcastle and Orono, and the gas plant in Cobourg.

The power demands of this system have not changed materially from the previous year and all demands for power by municipalities and customers of the Commission were met without difficulty from the generating plants and purchased supply.

The total capital invested by the Commission on behalf of the co-operating municipalities of the Eastern Ontario system is $21,060,823.96, and the accumulated reserves for renewals, obsolescence, contingencies and sinking fund aggregate $5,228,590.62.

In the rural power districts of this system, which are directly operated by the Commission, the revenue received for the year from customers was $464,258.52, and the total cost of supplying the service was $479,661.78, leaving a balance of $15,403.26, which was charged to the districts in this system.

With respect to the electric utilities of the various urban municipalities of the Eastern Ontario system operating under cost contracts the actual cost of power supplied by the Commission during the year was $40,705.28 less than the total amount collected at the interim rates and this has been credited to the municipal utilities. The total revenue of the municipal electric utilities served by this system was $3,178,756.25, an increase of $294,978.63.

After meeting all expenses in respect of operation—including interest—setting up the usual standard depreciation reserve (which amounted to $211,657.36) and providing $127,831.33 for the retirement of instalment and sinking-fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to $162,022.56.

Thunder Bay System

The Thunder Bay system serves a portion of the district of Thunder Bay, more especially the area lying between the international boundary and lake Nipigon. Power is secured from two hydro-electric developments on the Nipigon river, one at Cameron Falls and the other at Alexander, and is utilized largely in connection with the pulp and paper industry and the grain trade. Both of these industries are still suffering on account of the world-wide trade depression. The total system demand for the year was slightly less than that of the previous year; there is, however, some indication of an early improvement. Negotiations are being carried on for the sale of a substantial amount of power in connection with electric steam generation in the pulp and paper industry.

The Commission has, in the Thunder Bay system, a total investment of $18,480,738.51, and accumulated reserves for renewals, contingencies, and sinking fund aggregate $2,739,224.49.

The cost of power to this system as adjusted by the Commission at the close of the year was $126,564.42 in excess of revenue from the interim monthly billing, which sum has been charged to the municipalities operating under cost contracts. The total revenue of the municipal electric utilities in this system was $1,384,748.92. The three municipalities served by this system operated with a net surplus of $17,791.80, after providing depreciation and other reserves to the extent of $45,852.08 and $21,921.90 for the retirement of debentures.

Northern Ontario System

This system covers all of that portion of the Province lying north of the French river and lake Nipissing, and west of the Quebec boundary, with the exception of the area served by the Thunder Bay system. The active districts in the Northern Ontario system served direct by the Commission are the Nipissing district, the Sudbury district, the Abitibi district, the Manitoulin district and the Patricia district. It should be understood that these districts are not interconnected as are the districts of other systems.

In certain sections of the area embraced by the Northern Ontario system there are independent municipal utilities; engineering assistance and advice concerning the operation and maintenance of these utilities is given by the Commission when requested.

Nipissing District

This district serves the area adjacent to the eastern shores of lake Nipissing, and includes the city of North Bay, the villages of Callander and Powassan, and the North Bay and the Powassan rural power districts, which latter consist of portions of the townships of Ferris, Himsworth, Nipissing and Widdifield. Power is obtained from three hydro-electric developments on the South river and this supply is supplemented when necessary by power purchased from The Abitibi Power and Paper Co.'s development at Crystal Falls on the Sturgeon river.

The generated peak and average loads on this district show very little change from last year, being higher for some months than for the corresponding months of the previous year, and lower for other months. Over the entire year there were slight increases in both peak and average generated loads.

For the purpose of financial administration the Nipissing district of the Northern Ontario system is associated with the districts of the Eastern Ontario system.

SUDBURY DISTRICT

The active area in this district lies in and adjacent to the city of Sudbury. Power is derived from three developments on the Wanapitei river, and is supplied largely to the city of Sudbury and to various mining companies at 60 cycles only. There has been a manifestation of activity in rural districts adjacent to Sudbury throughout the year and the Commission has given assistance and information to the various communities concerning the possibilities of obtaining hydro-electric service.

A general decrease in load has been experienced in this district during the year. A very small portion of this decrease is due to reduced domestic consumption, the major portion being due to the lessened activities of most of the industrial customers in the mining and smelting industry. As a large portion of the decrease is paid for under the minimum clauses of the power contracts, revenues have not been as adversely affected as load conditions would indicate.

ABITIBI DISTRICT

This district comprises the area within transmission distance of the transmission line between Hunta and Sudbury. Up to October 1, 1932, power was obtained under a contract entered into by the Commission with The Ontario Power Service Corporation Limited, and after October 1, from the Abitibi Power & Paper Company. Power is supplied to mining companies at 25 cycles only.

The operation of the 189 miles of 110,000-volt steel-tower line between Hunta and Copper Cliff was satisfactory throughout the year. Up to the end of the fiscal year, this line comprises all of the Commission's property in this district.

PATRICIA DISTRICT

This district comprises the territory adjacent to the Ear Falls development at the foot of Lac Seul on the English river and power is being supplied at the present time to a large gold mine in the Red Lake mining area. Power is available in this district for mining or other purposes when requirements lie within reasonable transmission distance of the development.

The generating and transformer station at Ear Falls have been in satisfactory operation throughout the year. All equipment has functioned as required, there being no failure of major importance. The load on the system has shown an increase over that existing during the previous year, the average monthly energy generated being about 29 per cent greater and the average monthly peak being about 17 per cent greater during 1932 than in 1931.

The 44,000-volt transmission line between the generating station and the Howey gold mine, which is owned by the Howey Gold Mines, Limited, has been operated and maintained for them throughout the year under the same arrangement as in previous years. This transmission circuit has functioned perfectly during the year and has not been responsible for any interruption to service. Patrol and other work has been carried out along this transmission line throughout the year.

MANITOULIN DISTRICT

This district comprises the entire area of Manitoulin Island and was formed during the year in order to provide service to various sections in the vicinity of Gore Bay and Mindemoya. Various meetings were held for the purpose of explaining to prospective customers matters pertaining to procedure for obtaining service, and the utilization of electrical energy. Arrangements were finally made for the formation of a rural power district, in accordance with the various Acts and legislation governing rural distribution. Negotiations were conducted with The Little Rapids Pulp Company for a supply of power from a development at Kagawong. It is expected that the construction work will be completed and service made available early in 1933.

THE ANNUAL REPORT

The Table of Contents, pages xxv and xxvi, conveys a good understanding of the scope of the matters dealt with in the Report, to which there is also a comprehensive Index. To those not conversant with the Commission's Reports the following notes will be useful.

In Section II, pages 5 to 52, dealing with the Operation of the Systems, are a number of interesting diagrams showing, graphically, the monthly loads on the various systems. Tables are also presented showing the amounts of power taken by the various municipalities in October during the past three years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III, on pages 61 to 78. The power distributed to rural districts is, and possibly must always be, but a relatively small proportion of the power distributed by the Commission. The supplying of electrical service in rural areas, and especially on the farm, has, however, been of great economic benefit to Ontario. The Provincial Government grants-in-aid of the capital cost of this work have been of value to agricultural activities, and have assisted the Commission to extend rural transmission lines to many areas.

In Sections IV, V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

About one-half of the Report is devoted to financial and other statistical data which are presented in two Sections, IX and X.

Section IX presents in summary form the financial statements relating to the operations of the Commission chiefly in the generation, transformation and transmission of electrical energy to the co-operating municipalities. It is introduced by an important explanatory statement which appears on pages 131 to 135, to which special reference should be made.

Section X presents in summary form the financial statements relating to the operations of the municipalities in the localized distribution of electrical energy to consumers. It also contains details of the costs of electrical energy to consumers in the various municipalities and tabular statements of the rates in force which have produced these costs. An explanation of the various tables and statements is given at the commencement of this Section on pages 255 to 257; and a special introduction to Statement "D," which relates to the cost of electrical service in Ontario, together with a diagram, appears on pages 380 to 383.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements descriptive of the operations of the Commission in various branches of its work are suitably placed throughout the Report in order that the citizens of the Province may be kept fully informed upon the working-out of the Commission's policies.

The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases these enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report of the Commission. Real benefit would result to the "Hydro" undertaking if those who are commenting upon aspects of the Commission's work would first make sure by consulting the Commission's publications that the data upon which their comments are to be based are adequate and pertinent to the subject in hand. By such a course much misrepresentation, as well as inconvenience, would be avoided.

* * *

The Present Situation

Respecting the present power situation, the circumstances described in last year's Annual Report continued to apply throughout 1932. A still larger proportion of industrial capacity in general was idle than the proportion in 1931, and obviously the Commission must correspondingly maintain a larger proportion of reserve power capacity. To fail to do so would entail a risk of industry being prevented from resuming its former scale of activities. The power provisions made in the past in order to meet requirements of present years were on a conservative basis; that is to say, they were substantially less than would have been required under a continuance of the rate of growth that had consistently been maintained over a period of eighteen years up to 1929.

In this connection, the outcome of the Commission's financial reserve policy, followed over a period of several years, has been specially beneficial. As has been noted, extra funds placed in reserve in 1926 to 1930 with a view to cost stabilization, have in 1932 assisted in carrying the charges entailed by the necessary present provision of power reserves. It has not been necessary to increase the rates to consumers in general, and indeed, the average cost per kilowatt-hour to domestic consumers throughout the Province has continued to decrease. After all adjustments, including the special withdrawals for cost stabilization, there was a net increase in reserves of $3,741,074.72. Such a result, achieved under the difficult economic circumstances of 1932, together with the fact that the Commission's reserves now aggregate $66,145,486.61, demonstrate, it is believed, a strong financial position which is cause for satisfaction to all interested in Ontario's welfare.

With respect to the immediate outlook, it is of course impossible to predict with certainty even approximately what will be the course of general industrial activity, and of power demands which depend upon such activity. Many outstanding leaders have expressed the opinion that recovery when it occurs will be of a gradual nature. On the other hand, some features of past experience point to the possibility of very rapid resumption of utilization of power temporarily discontinued. In these circumstances, the Commission has pursued a course of studying means whereby reserve capacity may be put to present use, while still retaining in large measure its characteristics as reserve against shortage of power for essential uses. Negotiations were in hand in 1932 for the utilization of some 80,000 horsepower on the Niagara system for steam raising in the pulp and paper industry, and the Commission is conducting similar negotiations with a view to other installations on this system and on the Thunder Bay system.

Also, the Commission has had under investigation the possibility of designing an efficient type of domestic water-heating installation that could be purchased and installed at low cost, and has been working out a plan whereby, in co-operation with the municipalities, the Commission might install such water-heating equipment without cost to the consumers. Under such a programme, the revenues from the sale of power for operation of the heaters would represent an economic saving from employment of power that would otherwise not be utilized at this time, and would in a short period, reimburse the Commission for its outlay. Besides affording to the consumers the benefit of a continuous supply of hot water at low cost under special new low rates, such a programme would give a substantial stimulus to employment throughout the Province by the expenditures upon construction and installation of equipment.

Thus by the various means that have been mentioned—maintenance of adequate power reserves for encouragement of industrial recovery; past accumulation and subsequent utilization of special financial reserves for cost stabilization; the fulfillment of all financial obligations; and the devising of means for profitable employment of capacity—the Commission has sought to afford benefit and encouragement to the activities of Ontario citizens while maintaining its undertaking in an unchallengeable physical and financial position.

Owing to the curtailment of activities in construction work, the Commission has found it necessary to reduce the number of its employees, not only in the field, but also upon its designing and drafting staffs. It is with great regret that the Commission has had to follow the unavoidable course of releasing men who have served the Hydro undertaking so faithfully. Nothing will give the Commission greater pleasure than to see such a return of general industrial and commercial activity as will afford opportunities for work for those now unemployed.

During the past year there has been noted in the press of the Province and especially in that of the smaller cities, towns and villages, an increasing tendency, in matters relating to the Hydro enterprise, to consult the authentic sources of information respecting the Commission's operations, such as the Annual Report and other official publications and statements that are issued from time to time. Moreover, while some seriously misleading statements continue to be made, tending to create quite unwarranted impressions respecting such matters, for example, as the magnitude of reserve power supplies, it is evident that such statements are being critically scrutinized and the press of the Province in editorial articles not infrequently discriminatingly discounts adverse statements of an unfounded character. The Commission appreciates that the press has given generously of its space and services in recording and commenting upon matters relating to the Hydro undertaking, and for this the Commission especially desires to express its gratitude.

The Twenty-fifth Annual Report of the Hydro-Electric Power Commission is definitely reassuring. There have been difficult times in the past and doubtless there may be ups and downs in the future, but the record of the Hydro undertaking demonstrates that—especially under the economic stress of recent years—but very few business enterprises can parallel the past achievements and present status of the Hydro undertaking as recorded in this Report.

Respectfully submitted,

J. R. COOKE,
Chairman

Toronto, Ontario, March 31st, 1933.

Hon. J. R. Cooke, M.L.A.,
Chairman, The Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.

Sir,—I have the honour to transmit herewith the Twenty-fifth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year ended October 31st, 1932.

I have the honour to be,
Sir,
Your obedient servant,
W. W. Pope,
Secretary

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TWENTY-FIFTH ANNUAL REPORT

OF THE

Hydro-Electric Power Commission of Ontario

SECTION I

LEGAL

At the 1932 Session of the Legislative Assembly of the Province of Ontario, three Acts relating to the work of the Hydro-Electric Power Commission of Ontario were passed. These are reproduced in full in Appendix I to this report. The short titles to the said Acts are as follows:

The Power Commission Act, 1932, Chapter 14.
The Sandwich, Windsor and Amherstburg Railway Act, 1932, Chapter 56.
The Windsor Essex and Lake Shore Rapid Railway Act, 1932, Chapter 99.

The agreements between the Hydro-Electric Power Commission of Ontario and the municipalities and corporations mentioned in the list hereunder given were approved by Order-in-Council dated the 29th day of December, 1932.

TOWNS

Bowmanville	Nov. 16, 1931
Cobourg	Feb. 8, 1932
Trenton	Sept. 30, 1931

TOWNSHIPS

Municipality of Neebing	July 6, 1932
Ancaster	Nov. 10, 1931
Ashfield	Dec. 29, 1931
Augusta	Dec. 30, 1931
Bedford	Oct. 27, 1931
Beverly	July 27, 1932
Billings	July 30, 1932
Burleigh and Anstruther	Jan. 11, 1932
Caledon	May 2, 1932
Cardwell	Sept. 23, 1932
Carnarvon	July 19, 1932
Culross	Nov. 17, 1931
East Flamboro	April 19, 1932
Fitzroy	July 1, 1932
Gordon and Allan	July 25, 1932
Greenock	Nov. 9, 1931
Humphrey	June 18, 1932
Muskoka	Oct. 28, 1931
Normanby	Nov. 23, 1931
North Cayuga	Nov. 21, 1931
North Grimsby	Aug. 13, 1932
Perry	April 28, 1932
Osgoode	Nov. 2, 1931
Ridout	Dec. 15, 1931
Saugeen	June 11, 1932
Sheffield	Feb. 15, 1932
Sunnidale	April 16, 1932
Tecumseh	Mar. 4, 1932
Vespra	June 10, 1932
Wellesley	Nov. 2, 1931
West Gwillimbury	Mar. 5, 1932
West Wawanosh	Dec. 21, 1931
Woolwich	Nov. 3, 1931

CORPORATIONS

Canadian Industrial Alcohol Company, Limited	Nov. 1, 1931
Canadian Timber Company, Limited	April 25, 1932
The Cooksville Company, Limited	June 1, 1932
Eugene F. Phillips Electrical Works, Limited	June 1, 1932
Gypsum, Lime and Alabastine Canada, Limited	April 27, 1932
His Majesty The King, in the right of the Province of Ontario	Feb. 1, 1932
Interprovincial Brick Company, Limited	Nov. 4, 1931

Right-of-Way

Rural Power Lines

A large amount of work on rural power transmission lines involving the securing of pole and anchor rights, and in some cases tree-trimming and cutting rights, was carried on during the year. Wood-pole lines and extensions were constructed in the following rural power districts: Ailsa Craig, Alexandria, Amherstburg, Arnprior, Aylmer, Ayr, Baden, Bala, Barrie, Baysville, Beamsville, Beaumaris, Beaverton, Belle River, Belleville, Blenheim, Bond Lake, Bothwell, Bowmanville, Bradford, Brant, Brigden, Brockville, Bruce, Caledonia, Chatham, Chesterville, Chippawa, Clinton, Cobourg, Colborne, Creemore, Delaware, Dorchester, Dresden, Drumbo, Dundas, Dunnville, Dutton, Elmvale, Elmira, Elora, Essex, Eugenia, Exeter, Fenelon Falls, Forest, Fort William, Galt, Georgetown, Georgina, Goderich, Grantham, Gravenhurst, Guelph, Haldimand, Harrow, Huntsville, Iroquois, Keswick, Kingston, Lakefield, Listowel, London, Lucan, Lynden, Manitoulin, Markdale, Markham, Martintown, Maxville, Meaford, Medonte, Merlin, Millbrook, Milton, Milverton, Mitchell, Napanee, Nepean, Newcastle, Newmarket, Niagara, North Bay, Norwich, Norwood, Oil Springs, Omemee, Orangeville, Oshawa, Perth, Peterborough, Port Arthur, Port Hope, Port Perry, Prescott, Preston, Ripley, St. Jacobs, St. Marys, St. Thomas, Saltfleet, Sandwich, Sarnia, Scarborough, Simcoe, Smiths Falls, Sparrow Lake, Stamford, Stayner, Stirling, Streetsville, Tara, Thamesville, Tilbury, Tillsonburg, Trenton, Utterson, Uxbridge, Wallaceburg, Walsingham, Walton, Waterdown, Waterford, Welland, Wellington, Williamsburg, Woodbridge, Woodstock, Wroxeter.

As in previous years, lines of this class were located as far as possible on public roads, but in some cases in order to save trees, or owing to certain physical conditions on the right-of-way, certain lines have been constructed on private properties, rendering it necessary to secure location rights from the owners.

In cases where the Department of Public Highways or County Road Commissions have found it advisable to realign their roadways, it has been necessary to relocate poles, anchors, etc. In these cases settlements have been arrived at as provided by the "Public Service Works on Highways Act," under which the Commission and the other interested parties each pay fifty per cent of the actual cost of the labour involved, the Commission paying all other costs, if any.

Low-Tension Lines

Construction work has been carried out on the following low-tension lines during the year:

Healey Falls to Norwood.
Todmorden to Brinlock Corners.
Norwood to Havelock.
Norwood to Hastings.
Napanee to Cataraqui.
Warkworth to Newcombe.
Newcombe to Welcome.
Welcome to Oshawa.

Low-Tension Lines—Continued

Port Hope to Newcastle.
Bowmanville to Oshawa.
Napanee to Bath.
Belleville Switching Station to Belleville Distributing Station.
Chesley to Paisley.
Kilsyth to Tara.
Hepworth to Wiarton.
Saugeen Junction to Derby Mills.
Walkerton to Walkerton Quarries.
Walkerton Quarries to Teeswater.
Melancthon to Amaranth.
Derby Mills to Tara.
Waubaushene to South Falls.
Hanna Chute to South Falls.
Ragged Rapids to Big Chute.
Ragged Rapids to Bala.
Kilworth Junction to Wasdells Falls.
Kitchener to Hanover.
Derby Mills to Hepworth.
Forfar to Westport.
Lyn to Athens.
Cornwall to Winchester.
Dominionville to Alexandria.
Utterson to Windermere.
Beaumaris to Falkenburgh.
Windermere to Rosseau.
Niagara to Dundas.
Hamilton to Binkley's Corners.
Dundas to Hamilton.
Dundas to Caledonia.
Dundas to Bertram.
Guelph to Hamilton.
London to St. Thomas.
Kitchener to Waterloo.
Stratford to Tavistock.
Stratford to Sebringville.
Woodstock to Norwich.
St. Thomas to Sarnia.
St. Thomas to Shedden.
St. Thomas to Aylmer.
Brant to Brantford.
Brant to St. George.
Essex to Malden.
Hamilton Transformer Station to Stirton Ave.
Bridgman Avenue to Leaside.
Wiltshire Avenue to Weston.
Welland to Port Colborne.
Queenston to Saltfleet.
Queenston to Pelham.
Saltfleet to Burlington.
Allenburg to Dundas.
Allenburg to St. Thomas.
Pelham to St. Thomas.
Pelham to Nelson.
Fonthill to Welland.
Burlington to Islington.
Halton Junction to Cooksville.
Michigan Junction to Port Colborne.
Crowland to Port Colborne.
Wiltshire Avenue Junction to Bridgman Avenue.
Erbs Junction to Stratford.
Wabash to Michigan Junction.
Merritton to Lincoln.
Dundas to Lynden.
Lythmore to DeCewsville.
Hagersville to Jarvis.
DeCewsville to Cayuga.
York Mills to Newmarket.
York Mills to Langstaff.
Keswick to Sutton.
Danforth Junction to West Hill.
Don Junction to Scarborough.
Andrews Junction to Pottageville.
Langstaff to Mountjoy.
Williams to Sharon.
Ailsa Craig to Parkhill.
Mt. Brydges to Strathroy.
Dorchester to London.
Elginfield Junction to Ailsa Craig.
Broughdale to Ailsa Craig.
St. Jacobs to Elmira.
Walton to Blyth.
Sebringville Junction to Milverton Junction.
West Lorne to Rodney.
Brantford to Paris.
Burford to Waterford.
Waterford to Dover.
Paris to Burford.
Streetsville to Milton.
Newbury to Wardsville.
Newbury to Glencoe.
Tilbury to Fletcher.
Ridgetown to Thamesville.
Ridgetown to Rondeau.
Bothwell to Blenheim.
Bothwell to Ridgetown.
Bothwell to Wallaceburg.
Como to Dresden.
Dresden to Oil Springs.
Fletcher to Merlin.
Harrow to Kingsville.
Leamington to Kingsville.
Islington to Weston.
Albion Park to Woodbridge.
Wyoming to Watford.
Forest to Wyoming.
Forest to Petrolia.
Watford to Forest.
Sarnia to Forest.
Nipigon to Bare Point.
Smiths Falls to Forfar.
Arnprior to Galetta.
Burnstown to Arnprior.
Waubaushene to Midland.
Fennell to Bradford.
Beeton to Tottenham.
Carlington to Richmond.
Beaverton to Cannington.
Kirkfield Junction to Kirkfield Distributing Station.
Elliott Chute to Bingham Chute.
North Bay to Sturgeon Falls.
Smoky Falls to North Bay.

The right-of-way has been secured where necessary in these cases, and all claims for tree-trimming, crop damages, or other demands in connection with construction work have been settled.

Substation Sites

Sites for substations and operators' residences have been purchased at the following places during the year: Port Robinson, West Hill, Falkenburgh, Cumberland, Forest, Maxville, Dorion.

Flooding Rights

A number of claims for damages on account of flooding lands along the Ottawa river, at Trethewey Falls on the Muskoka river, and on the South river in the Nipissing system have been arranged.

220,000-Volt Lines

Quite a number of settlements have been closed for claims of various kinds on the several Gatineau lines which were outstanding last year. In a few cases owners have called on the official valuator to make an award, which led to satisfactory adjustments being made.

Additional 220,000-volt single-circuit steel-tower lines were constructed during the year between Chats Falls transmission station and Cumberland Junction, and between Cumberland Junction and the Interprovincial Boundary, to carry Beauharnois power. Ninety per cent of all claims, including tower rights, tree-trimming and damage claims, have been settled by negotiation.

General

The usual number of miscellaneous items, including right-of-way over Indian Reserves, disposal of lands no longer required for Commission purposes, leases for office and other purposes, have been dealt with by the Department.

SECTION II

OPERATION OF THE SYSTEMS

The quality of service rendered throughout the various systems during the past fiscal year was generally satisfactory. Interruptions were few in number, and most of those which did occur affected relatively small areas. No serious failures of equipment occurred.

Important extensions to equipment in operation were made at Chats Falls where six generators with accompanying switching equipment and transformers were installed, completing the development as scheduled at present. About 100 miles of 220,000-volt transmission line from Chats Falls to the Quebec boundary near Beauharnois was put into operation during October. This line has been delivering the first 35,000 horsepower under contract with the Beauharnois Light, Heat and Power Company.

The demand for power in the fiscal year 1932 was on the whole substantially equal to that of 1931, some systems showing slight increases, others small decreases. The average load of all systems in Ontario shows the slight decrease of 1.2 per cent.

As a measure of total demands for all systems combined, the method of adding together the annual peak loads of the individual systems sometimes gives anomalous results because of the diversity in the times at which they occur. For some purposes it is better to use the figures for kilowatt-hours or average load when dealing with combined totals.

During the fiscal year, the various systems show the following increases and decreases in their average load. The Niagara system (exclusive of export) shows an average decrease of 1.9 per cent without the Dominion Power and Transmission system, or 2.6 per cent including this system; the Thunder Bay system shows a reduction of only 0.7 per cent; the Eastern Ontario system shows a decrease of 5 per cent; the Georgian Bay system shows an increase of 4 per cent; and the Northern Ontario system shows an increase of 75 per cent. The large increase on the Northern Ontario system was due to the addition of the new Abitibi district. The Sudbury district showed a decrease of 15 per cent, the Nipissing district an increase of 1.3 per cent, and the Patricia district an increase of 29 per cent.

The export of surplus or off-peak power dropped to a negligible amount. Even the firm power, exported under contracts made by the Ontario Power

TOTAL POWER GENERATED AND HYDRO-ELECTRIC GENERATING PLANTS

Generating Plants	Rated electrical horsepower of generators	Normal plant capacity Oct. 31, 1932 horsepower	Peak load during fiscal year 1931-1932 horsepower	Total output during fiscal year 1931-1932 kilowatt-hours
Niagara system				
Queenston-Chippawa—Niagara river....	533,000	522,000	493,298	1,852,645,000
"Ontario Power"—Niagara river........	161,000	183,000	105,898	187,740,000
"Toronto Power"—Niagara river........	110,000	147,000	24,129	47,232,000
Chats Falls—Ottawa river (Commission's half)................................	107.100	96,000	94,504	184,519,550
Dominion Power and Trans. system*				
DeCew Falls—Welland canal...........	56,400	50,000	46,112	105,861,200
Steam plant—Hamilton................	26,800	24,000	9,115	-351,300
Georgian Bay system				
South Falls—South Muskoka river......	5,100	5,350	5,780	19,919,760
Hanna Chute—South Muskoka river....	1,550	1,600	1,609	6,472,800
Trethewey Falls—South Muskoka river..	2,300	2,200	2,145	8,481,600
Bala No. 1 and No. 2—Muskoka river...	680	560	590	2,340,328
Big Chute—Severn river...............	4,610	5,625	5,845	15,758,280
Wasdells Falls—Severn river...........	860	1,100	1,206	4,664,600
Eugenia Falls—Beaver river...........	6,440	7,300	7,774	21,373,800
Hanover—Saugeen river...............	350	400	416	670,176
Walkerton—Saugeen river..............	375	500	543	1,988,800
Southampton—Saugeen river...........	415	370	275	620,000
Eastern Ontario system				
Sidney-Dam No. 2—Trent river.........	4,020	4,020	4,424	12,723,400
Frankford-Dam No. 5—Trent river......	3,480	3,480	3,485	5,295,250
Meyersburg-Dam No. 8—Trent river....	6,600	6,430	7,828	16,614,480
Hague's Reach-Dam No. 9—Trent river..	4,800	4,500	4,759	11,815,490
Ranney Falls-Dam No. 10—Trent river..	9,650	9,650	10,724	21,511,620
Seymour-Dam No. 11—Trent river......	4,020	4,020	3,485	11,968,810
Heely Falls-Dam No. 14—Trent river....	12,060	12,060	15,550	26,133,654
Auburn-Dam No. 18—Otonabee river....	2,010	2,010	2,547	7,565,600
Fenelon Falls-Dam No. 30—Sturgeon river	1,070	860	1,072	1,830,235
High Falls—Mississippi river..........	2,810	2,440	3,116	8,155,944
Carleton Place—Mississippi river........	530	430	429	3,720
Calabogie—Madawaska river...........	5,400	4,300	1,960	4,736,190
Galetta—Mississippi river..............	1,070	860	603	583,400
Thunder Bay system				
Cameron Falls—Nipigon river..........	68,400	75,000	38,700	106.073,000
Alexander—Nipigon river..............	51,300	54,000	34,304	142,512,000
Northern Ontario system				
Nipissing district				
Nipissing—South river...............	2,750	2,350	2,440	4,827,000
Bingham Chute—South river..........	1,200	1,200	1,314	3,563,200
Elliott Chute—South river...........	1,930	1,750	1,930	3,670,800
Sudbury district				
Coniston—Wanapitei river...........	5,100	5,500	5,563	13,454,472
McVittie—Wanapitei river...........	2,680	2,550	2,882	12,006,264
Stinson—Wanapitei river............	5,360	6,150	6,300	15,160,104
Patricia district				
Ear Falls—English river............	5,400	5,000	2,048	10,385,800
Total generated..............	1,218,620	1,255,565	954,702	2,900,527,027

*In process of incorporation with the Niagara system.

NOTE.—The first column of figures in the above table shows the electrical horsepower equivalent of the rating put on the generators by the manufacturers. These ratings do not take into consideration water conditions and other factors which affect the over-all capacity of the generating plant. The plant capacities which appear in the second column of figures are nominal operating ratings and cannot be used in determining the power continuously available in the case of individual plants or any group of plants. Plant ratings, regardless of installed capacity, depend upon a number of factors, such as net head, water supply, machine outages, changes in operating schedule, and load factor, all of which factors may vary from time to time. It may be necessary to change these ratings somewhat from year to year due to the above causes, and also due to plant additions or alterations.

PURCHASED—ALL SYSTEMS

POWER PURCHASED

Power source	Contract amount horsepower	Total purchased kilowatt-hours
Canadian Niagara Power Co.—25 cycle	20,000	46,356,900
Gatineau Power Co.—25 cycle	260,000	772,567,900
Ottawa Valley Power Co	96,000	184,519,550
Beauharnois Light, Heat & Power Co	35,000	2,960,000
Canadian Niagara Power Co.—For D.P. & T. 66 cycle system	10,000	57,685,000
Campbellford Water & Light Commission*		366,200
Cedars Rapids Power Co	7,500	25,306,500
M. F. Beach Estate	500	911,700
Rideau Power Co	487	2,512,500
Ottawa & Hull Power & Mfg. Co	20,000	66,547,800
Gatineau Power Co.—60 cycle	30,000	92,747,000
Orillia Water, Light & Power Commission*		1,170
Abitibi Pulp & Paper Co.—Sturgeon Falls		24,935
Ontario Power Service Corporation	25,000	55,439,000
Total purchased	504,487	1,307,946,155
Total available capacity, generated and purchased, 1932	1,760,052	
“ “ “ “ “ “ 1931	1,575,152	
Increase	184,900	
Total kilowatt-hours, generated and purchased, 1932		4,208,473,182
“ “ “ “ “ “ 1931		4,537,514,814
Decrease		329,041,632

Of the increase in generated and purchased capacity shown above, amounting to 184,900 h.p., 137,000 h p. became available on October 1, 1932, and hence was available for only one month of the fiscal year 1931-32.

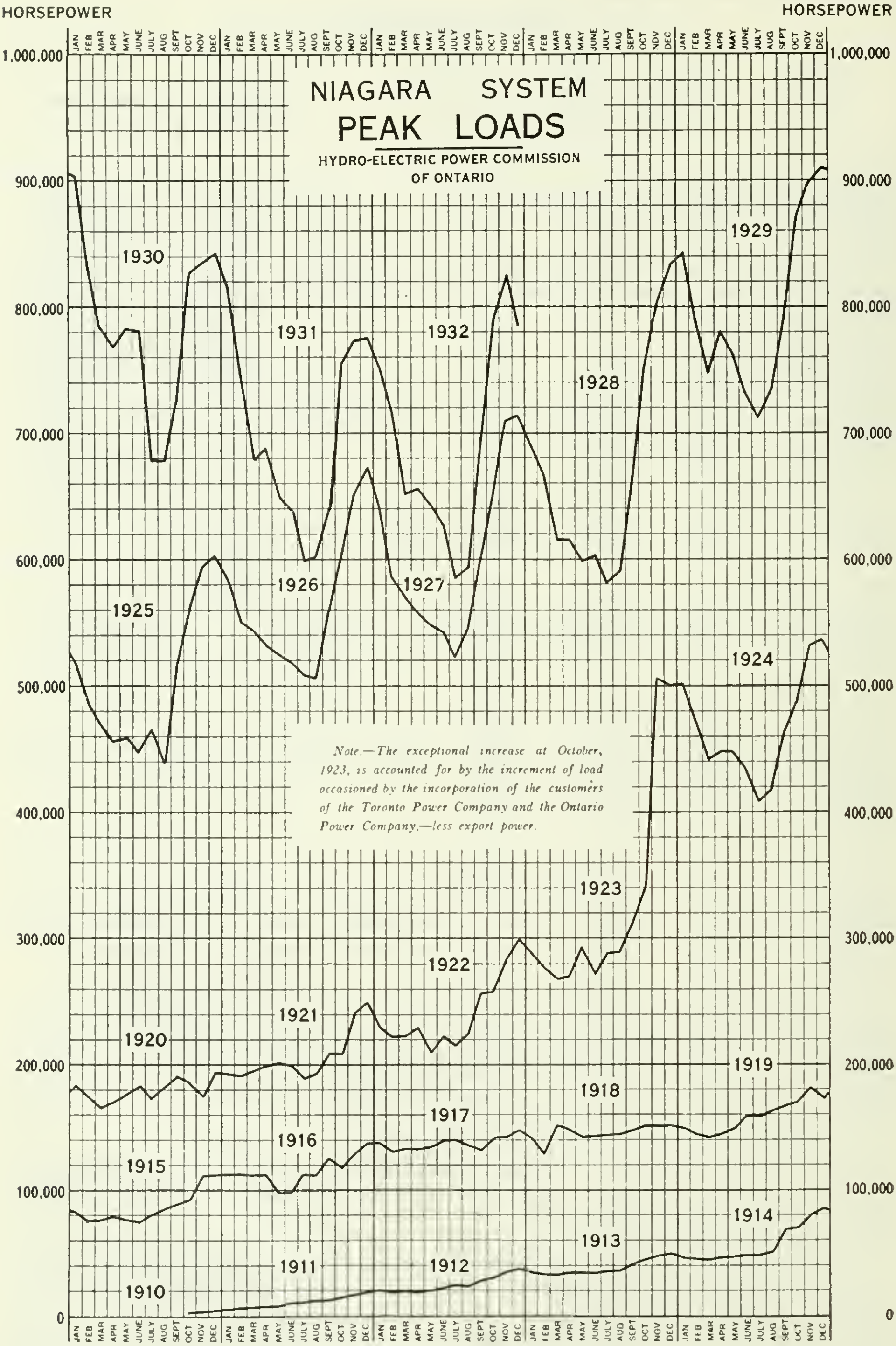
*Reciprocal arrangement for surplus power.

Company before its acquisition by the Commission, declined to the contract minimum, a decline, doubtless, due to the general business depression which has affected the sale of power in both the United States and Canada.

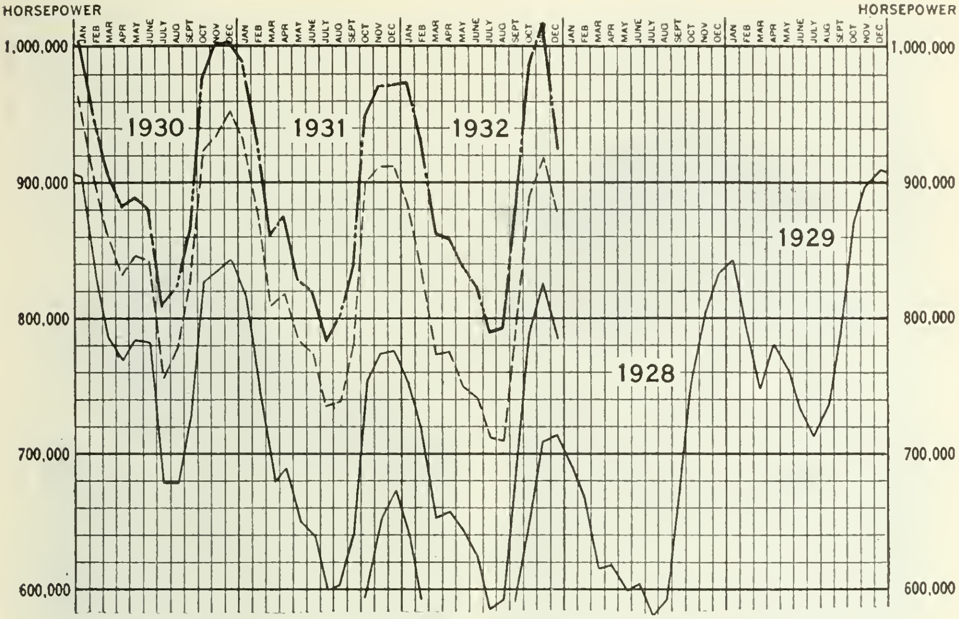
The table of power generated and purchased, given in this section of the Report, shows a decrease from the previous year's total of 329,000,000 kilowatt-hours. Of this 282,000,000 kilowatt-hours were due to the drop in the power exported, so that the total decrease in the energy used on the Commission's systems in Ontario last year, as compared with the preceding year, was less than 47,000,000 kilowatt-hours, or 1.2 per cent.

Load curves are given in this section of the Report showing the peak loads of each system, month by month, over a period of years. They give a clear picture of load conditions.

Load conditions on the Commission's systems in Ontario during the depression may be summed up as follows: In 1929, the load showed more than a normal year's increase. The beginning of the industrial depression—which is usually dated as from the stock-market crash of October, 1929—did not appear to affect the demand for power up to the end of that year. In the latter part of



Note.—The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company and the Ontario Power Company,—less export power.



SUPPLEMENTARY DIAGRAM—NIAGARA SYSTEM PEAK LOADS

LEGEND

Canadian coincident peak loads delivered to system (not including export) as per graph on opposite page.. ————

Sum of:—Canadian coincident peak loads; contractual export; and power paid for but not taken by companies supplied direct by Commission.............. — — — — — —

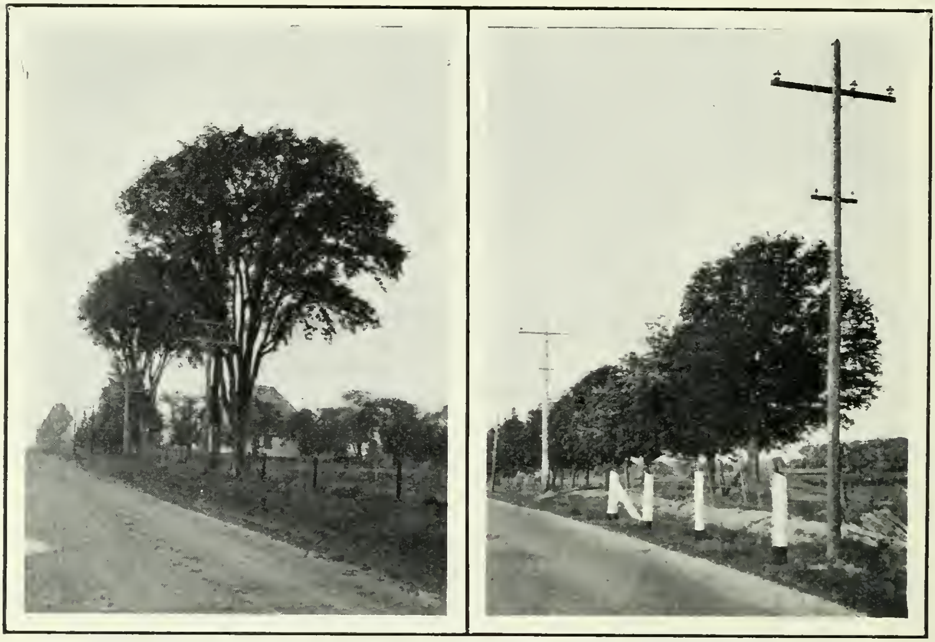
Sum of:—Canadian coincident peak loads; contractual export; and total contractual obligations to companies supplied by the Commission in excess of power actually taken by them.. ━━ ━ ━━━

NOTE: In 1930, 1931 and 1932, certain companies supplied directly by the Commission did not avail themselves of the full amounts of power provided for in their contracts with the Commission, and consequently the "Niagara System Peak Loads" curve for these years falls substantially below the total of contractual obligations of the Commission to supply power in the Niagara system in these years. Also, the "Peak Load" diagram, as noted thereon, excludes contractual obligations for export of power. In order to indicate as closely as possible the total demands—including these contractual obligations—for which power had to be provided, the above diagram incorporates two additional curves.

The quantities here added are accurate in themselves. The actual peak loads, however, that would have resulted had the full contractual rights been exercised, might have been slightly greater or less than the quantities shown in the diagram, because such peak loads would be increased by line losses and reduced by possible diversity—factors which cannot be evaluated exactly.

1930, however, the effect of the depression was quite apparent in actual decreases in demand in industrial sections, and in the small increases in certain other sections, but the average load for the complete year still showed a slight increase above all previous years. In 1931, the load of industrial consumers continued at reduced levels throughout the year and brought the total load of the Commission in Ontario below the figures for 1930 and 1929, although it still remained above 1928. In the past year, 1932, the effect of the depression has apparently spread more widely over the Province, including the less-highly industrialized centres, and has caused a further reduction in the total load, but, including all industrial, municipal and rural loads, the decline during the year has been very slight, only 1.2 per cent, compared with the decline of 15 per cent during 1931.

If a comparison is made between the load during the past year (1932) and the load during the year preceding the start of the depression (1928), it will be



OPERATING DEPARTMENT—FORESTRY DIVISION

UNDER PRUNING

The structural growth of elm trees lends itself to this type of pruning, which removes all branches on road and field sides to a uniform height

CROWN PRUNING

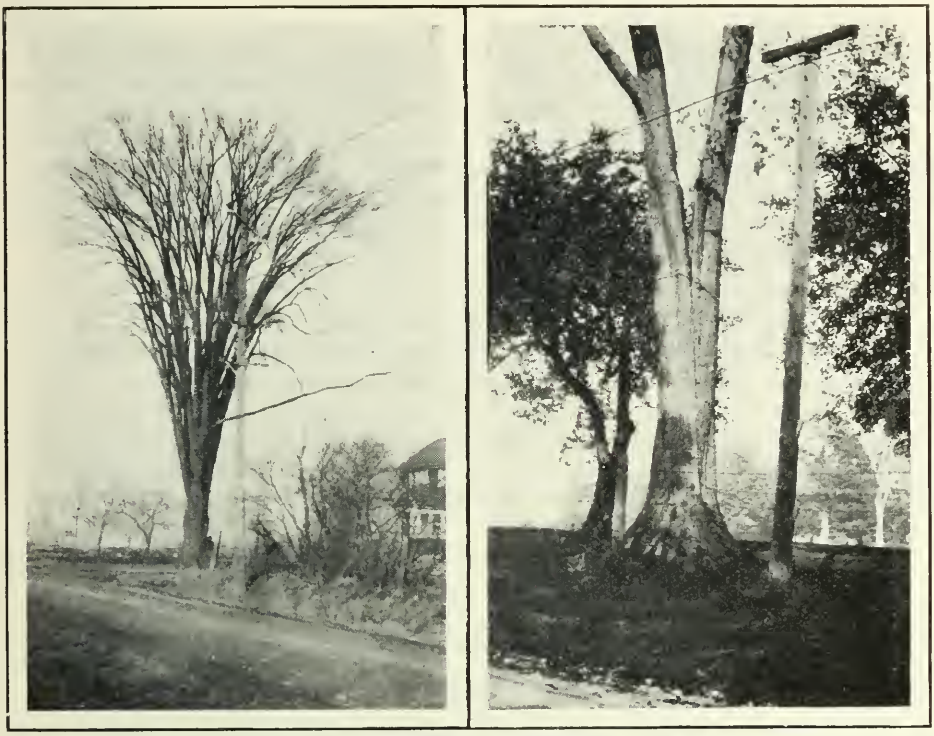
Maple trees symmetrically shaped by twig pruning on all sides

found that the total load in Ontario, on all the Commission's systems, shows an increase of about 10 per cent. Part of this increase over 1928 is due to expansion —to the inclusion of new districts such as the Dominion Power and Transmission system, Bruce county, Madawaska, Bala, Sudbury and Abitibi districts. However, the records show that there has been an actual increase in the remainder of the Commission's load in Ontario during the depression. The load in 1932, excluding these new properties, exceeded that of 1928 by more than 100,000,000 kilowatt-hours.

Thus there are certain hopeful features that may be noted in connection with the Commission's load. First, it is some encouragement to note that the loads during the period of depression have been so well maintained. A further encouraging feature is the arresting of the marked downward trend of the load in industrial areas, and the beginning of what may prove to be an upward trend. As already noted, the average load of all systems in Ontario declined only 1.2 per cent last year as compared with 15 per cent during the preceding year. Taking the closing months of last year, instead of the average for the complete year, records show that the total load for these months exceeded the load for the corresponding months of the previous year.

Forestry

The work done by the Forestry field staff during the preceding year met with a very favourable reception from property owners and public officials with whom the staff came in contact. The spirit of co-operation and friendliness has been gratifying, and encouraged an extension of this service to more general use in connection with the Commission's transmission lines.



OPERATING DEPARTMENT—FORESTRY DIVISION

BEYOND PRESERVATION

A split crotch followed by decay created a menace to lives and property. Beyond human effort to save, this magnificent old elm tree had to be removed

PRESERVED BY CABLING

Scientific cabling to prevent further splitting of the crotch has preserved this old monarch for many years and eliminated a hazard to traffic and Hydro service

In order to meet the increasing demand for scientific pruning of the vast number of trees along the lines of the Niagara and Georgian Bay systems, a number of graduates from the Faculty of Forestry in the University of Toronto were added to the staff.

The number of trees which were pruned, cabled or removed during the year totalled 46,584, an increase as compared with last year of more than eight thousand trees. The average cost per tree, including labour, travelling expenses, training and similar forestry overhead expense, cables, compound and other materials, came to $1.85.

The slight increase in the average cost per tree is due to the fact that it has been found desirable to do more extensive work. This, however, will make a greater improvement in the physical conditions along the lines and reduce annual maintenance expenditures.

A systematic survey of the trees on Ontario highways along which the Commission's power and telephone lines extend, has disclosed hitherto unknown hazards to life, property and service, as shown in the reproduction of two photographs entitled "Beyond Preservation" and "Preserved by Cabling." Many similar specimens are still standing along our highways and lines, and could be saved if given attention in time.

Two distinctly different types of pruning are shown in the illustrations entitled "Under Pruning" and "Crown Pruning." Both of these methods provide adequate clearance for power conductors, and improve the trees and aesthetic conditions along the highways.

During the past year two important reforestation projects were undertaken in co-operation with the Ontario Forestry Branch. Approximately one hundred thousand coniferous trees were planted along the banks of the Queenston-Chippewa power canal and several thousand on the hillside behind the Eugenia generating station.

Radio Communication

The Commission's short-wave radio stations at Toronto, Cameron Falls and Ear Falls have been in service all year. There have been no changes in equipment and only routine maintenance has been required.

Communication schedules between Toronto and the other two stations have been maintained throughout the year. The service obtained from these stations, however, has not been as dependable as in previous years, there being several occasions when conditions, atmospheric and otherwise, have rendered communication impossible.

These stations are now operating under private commercial station licenses.

NIAGARA SYSTEM

Queenston Generating Station

There were no failures of major equipment in the Queenston plant during the year. The usual systematic inspection and maintenance of all apparatus and parts were carried out. The larger maintenance jobs are noted below.

No. 1 generator and turbine were out of service from January 2 to February 17. During this period the turbine runner was removed for repairs and a spare runner installed in its place. Welding repairs were made to the Johnson valve seat and repairs made to the control valves. The generator windings were thoroughly cleaned and painted.

No. 4 unit, which as mentioned in the last Annual Report was shut down for overhaul towards the end of the previous year, was returned to service on December 13, 1931. Extensive repairs were made to the field-pole insulation, the windings were cleaned and painted, and repairs made to the turbine runner by welding.

No. 5 unit was out of service from April 19 to June 27 for inspection and repair. The governor was completely overhauled and re-aligned. Several of the insulating collars on the field windings were found broken and were replaced. Repairs by welding were made to the turbine runner.

No. 6 unit was out of service from March 14 to April 2. The rotor was removed and the generator windings given a thorough cleaning and painting. A complete overhaul and re-alignment of the governor were found necessary.

No. 8 unit was out of service from July 6 until October 28. Several field pole insulating collars were found broken; the rotor was completely dismantled, all field coils being removed and re-insulated with a new type of collar. The governor was re-aligned and several worn bushings replaced. The turbine runner required extensive repairs, which were made by welding. The turbine bronze journal was machined, and the lignum vitae bearing was re-blocked.

Periodic tests on meters and relays were made according to schedule.

Ontario Power Plant

No serious failures of equipment were experienced in the operation of this plant during the year. All equipment and structures were regularly inspected and repairs or adjustments made where required, thus maintaining the plant in efficient condition.

The repairs to No. 10 unit, which were mentioned in the last Annual Report as being in progress at the close of the fiscal year, were completed and the unit returned to service on December 15.

To prevent rock dropping from the cliffs at the rear of the powerhouse, the loose rocks on the face of the cliff are being scaled off and a wall built to protect the power house. This work was still in progress at the end of the fiscal year.

While the usual routine of inspection and repair has been carried out there were few items of special note to report.

Toronto Power Plant

This plant was operated at reduced loads, permitting the water to be used more efficiently in the newer plants.

Coils failed in generators Nos. 2, 3, 5 and 11, but repairs were made and the units put back into service.

Bearings on several generators and turbines were replaced or repaired, the gate mechanism on unit No. 7 was repaired, coils in the various generators were cleaned and painted and the usual routine of maintenance work was carried out.

At the Toronto Power transformer station, No. 3 transformer in bank No. 4 failed on July 1. Due to light load conditions this transformer was not required, and is still out of service.

The meters and relays in the Toronto Power transformer station, which were situated adacent to their respective transformers or switches, were all moved to a switchboard on the second floor of the station.

Chats Falls Plant—Ottawa River

At the conclusion of the previous fiscal year, as stated in the last Annual Report, there were only two units in operation in Chats Falls generating station, these units feeding through a single transformer bank and oil switch to a single circuit connecting Chats Falls and Leaside station. During the past year six more generators, three banks of 13,200/220,000-volt transformers, and eight 220,000-volt oil switches were placed in service, thereby completing the initial installation.

The enlargement of the river channel between Chats lake and Fishery pool was completed on November 3, 1931. Subsequently, the level of the forebay was raised in successive stages until a level of 243.5 was reached on Chats lake. The flow through the dam was then regulated to maintain this elevation in all cases, except during periods of high-river flow when the natural level of Chats lake would exceed 243.5 regardless of the amount of water passing through the dam. The motor-operated sluices in the dam, which were placed in operation on June 27, have aided materially in the regulation of these water levels. Telemetering gauges are being installed which will enable the operator to keep a close watch on water elevations at all times.

On August 31, 1932, construction work being practically complete, the work of finishing minor features was turned over to the Operating department.

DeCew Falls Generating Station

This plant was in continuous operation throughout the year, no total interruption to output being experienced. Two hydraulic turbines were taken out of service for necessary repairs; on No. 3 turbine the thrust bearing was replaced and No. 4 turbine required packing and adjustment. Two of the exciters were equipped with new commutators. Six of the steel penstocks were scraped and painted. All necessary maintenance work was carried out to keep the plant in satisfactory operating condition.

Dominion Power Steam Station at Hamilton

The steam plant was used as a standby for electric service and for the generation of steam for commercial purposes during the year. One turbo-generator set was operated as a synchronous condenser for voltage regulation during the greater part of the year, requiring power for its operation, which was supplied from DeCew Falls generating station.

Transmission

The 220,000-volt lines between Toronto and the Ottawa river continued to operate satisfactorily, there being no line or equipment failures and no total interruptions involving all three circuits. Single-circuit outages occurred on three occasions due to lightning, and there was one double-circuit outage, apparently due to lightning affecting one circuit and faulty relay operation involving the second circuit.

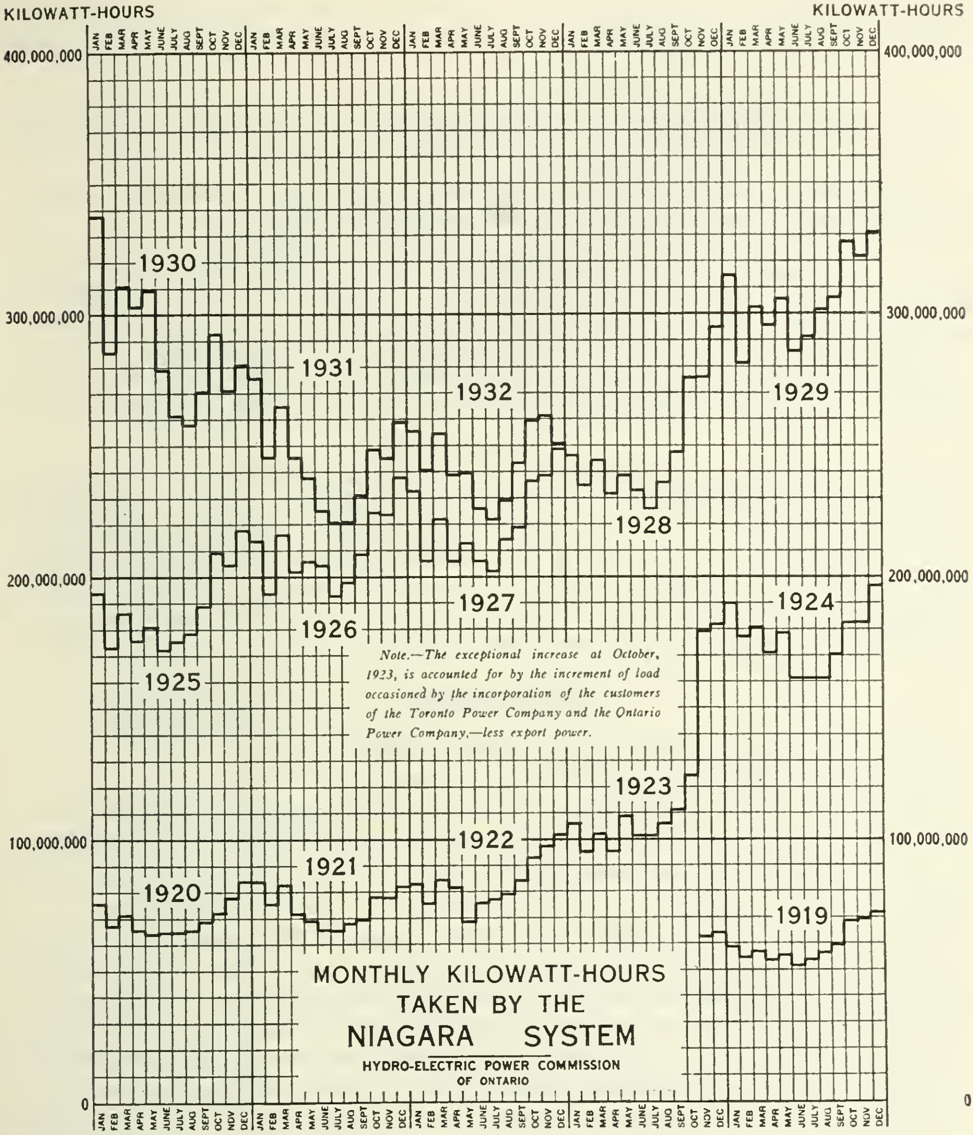
On November 10, 1931, the 220,000-volt circuit between Paugan and Leaside, was connected in to the Chats Falls bus.

On October 20, 1932, a 220,000-volt circuit between Beauharnois and Chats Falls was placed in service.

Extensive cutting of the underbrush was carried out under the three circuits of the 220,000-volt line, the area covered by this work being equivalent to approximately 4,300 acres.

On the 110,000-volt transmission system there was no complete interruption, nor on the green or brown sub-systems, the operation of the latter being much better than during the previous year due to the improved relaying which has been put into service. On the yellow sub-system there were six interruptions totalling fifteen minutes, four of which were due to lightning, one to line trouble and one to station trouble.

On January 1, and 2, a very severe sleet storm occurred in the central portion of western Ontario, causing interruptions to the high-tension lines between Dundas and London and doing some damage to the low-tension lines in the same district, as well as in the neighbourhood of Sarnia. The only other storms which affected service to any extent occurred on the last few days in June and on July 1 when lightning caused some short interruptions but did not cause any severe damage to equipment.



Note.—The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company and the Ontario Power Company,—less export power.

On the 110,000-volt lines, in addition to the usual patrol, minor maintenance and repairs after storms, the following maintenance work was carried out:—On all the 110,000-volt lines west of Dundas and on one of the lines to Toronto, towers were inspected and bolts tightened. From St. Thomas to Essex the insulators were meggered and two modern units installed on each string to replace two of the older type. Several towers on one of the lines between Dundas and York were raised. Some cutting of underbrush was done between Niagara and Woodstock. Towers from Niagara to Welland, Niagara to Oxley, Dundas to Brant, Dundas to Guelph (partial), and Dundas to Toronto were painted. The footings of the towers on the section between Wiltshire and Bridgman stations in Toronto, were cleaned and painted at and below the ground line. The ground wire was replaced on one tower line between Niagara Falls and Fonthill Junction.

Between Gages and Burlington the towers on the lake front, including the special four-circuit towers, were painted. Nearly all the original bolts in the latter were found to be badly rusted and were replaced.

Between St. Thomas and St. Clair transformer station the telephone circuit was retransposed and the old joints replaced with a new type.

On the Dominion Power lines there were no total interruptions during the year. The 40,000-volt lines to Hamilton district were totally interrupted on four occasions for an aggregate interval of four minutes. Five interruptions occurred at Bartonville switching station, totalling six minutes during the year. A prolonged interruption to Brantford service occurred January 1, and 2, when lines serving this area suffered during the severe sleet storm that visited the district.

The Dominion Power division lines were regularly patrolled, and defective insulators, crossarms and poles replaced where necessary. Service to Oakville and intermediate points from Hamilton, was diverted to a circuit carried on the steel towers originally erected by the Toronto Power Company, and the wooden-pole line abandoned, insuring greater continuity of service to Oakville. Two short stretches of wood-pole line were constructed connecting the stations in Oakville and Bronte with the steel-tower line.

Transformation

At Kitchener high-tension transformer station three 5,000-kv-a. units replaced three transformers of 2,500-kv-a. capacity.

At Brant station emergency connections were installed, permitting the spare transformer being put into service without being moved from its pocket.

At. St. Marys station three new low-tension oil breakers were put into service.

Twenty 5,000-kv-a. high-tension transformers had hand-operated tap changers installed in the field, and six of these were also rebuilt. In addition, twelve which had similar work done on them by the manufacturer, were returned to service. Seven 2,500-kv-a. units at Kent, and one at Guelph, were rebuilt in the field with a new type of secondary winding and had the tap changers added.

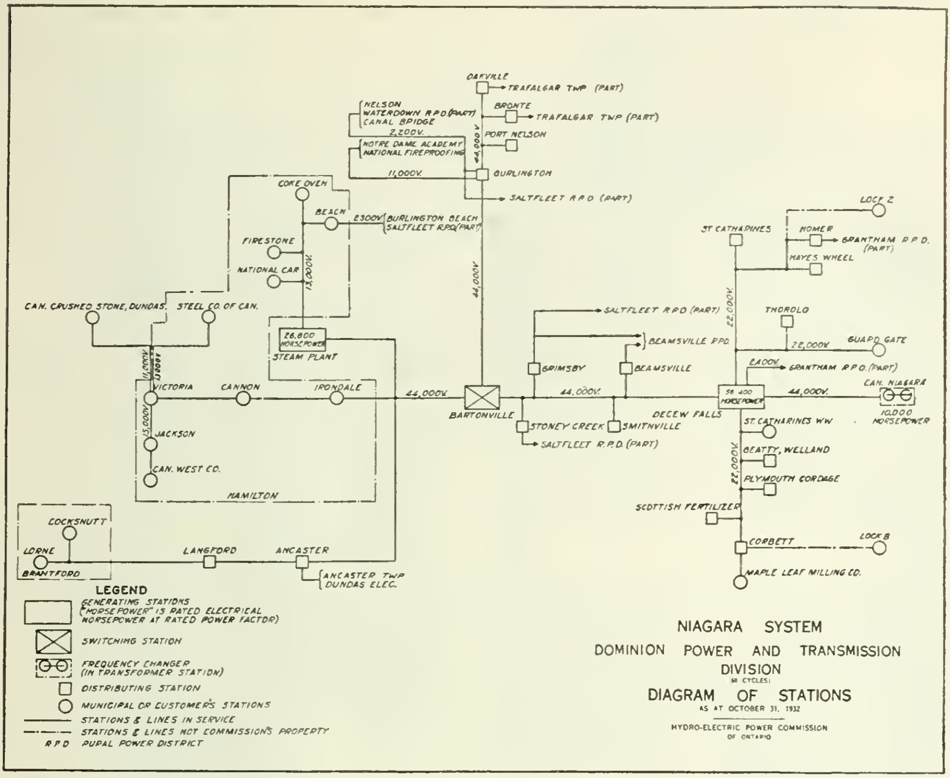
The 110,000-volt line circuit-breaker at St. Clair station was moved to St. Thomas station and installed on the St. Clair line, replacing an old-type circuit-breaker which had failed. A new low-tension transformer breaker was installed at St. Clair.

New guided-wave radio receivers were installed at Dundas, Strachan (Toronto), London, Essex, St. Thomas and Niagara stations.

The regular schedule of inspection and maintenance was carried out at all high-tension stations.

Distribution

The following new low-tension transformer stations were put into service during the year:—West Hill, Trafalgar, Waterloo rural and Goderich rural. Transformer capacity was increased in Aurora, Exeter, Norwich, New Toronto and Islington stations.



NIAGARA SYSTEM
DOMINION POWER AND TRANSMISSION DIVISION
60 CYCLES
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1932
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

OAKVILLE
TRAFALGAR TWP (PART)
NELSON
WATERDOWN R.P.D.(PART)
CANAL BRIDGE
2,200V.
BRONTE
TRAFALGAR TWP (PART)
PORT NELSON
NOTRE DAME ACADEMY
NATIONAL FIREPROOFING
44,000 V
11,000V.
BURLINGTON
SALTFLEET R.P.D. (PART)
COKE OVEN
BEACH
2300V
BURLINGTON BEACH
SALTFLEET R.P.D.(PART)
FIRESTONE
NATIONAL CAR
13,000V.
44,000V
CAN. CRUSHED STONE, DUNDAS.
STEEL CO. OF CAN.
26,800 HORSEPOWER
STEAM PLANT
11,000V
13,000V
VICTORIA
CANNON
IRONDALE
44,000V.
BARTONVILLE
15,000V
JACKSON
CAN. WEST CO.
HAMILTON
COCKSHUTT
LORNE
BRANTFORD
LANGFORD
ANCASTER
ANCASTER TWP
DUNDAS ELEC.
LOCK 2
ST CATHARINES
HOMER
GRANTHAM R.P.D. (PART)
HAYES WHEEL
22,000V.
THOROLD
SALTFLEET R.P.D. (PART)
BEAMSVILLE R.P.D.
22,000V.
GUARD GATE
2400V.
GRANTHAM R.P.D. (PART)
GRIMSBY
BEAMSVILLE
44,000V.
58 400 HORSEPOWER
44,000V.
CAN. NIAGARA
10,000 HORSEPOWER
DECEW FALLS
STONEY CREEK
SMITHVILLE
SALTFLEET R.P.D. (PART)
ST. CATHARINES WW
BEATTY, WELLAND
22,000V.
PLYMOUTH CORDAGE
SCOTTISH FERTILIZER
CORBETT
LOCK 8
MAPLE LEAF MILLING CO.
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
SWITCHING STATION
FREQUENCY CHANGER (IN TRANSFORMER STATION)
DISTRIBUTING STATION
MUNICIPAL OR CUSTOMER'S STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
R.P.D. RURAL POWER DISTRICT

There were thirteen failures of low-tension transformers, some of which were rebuilt by the Operating department maintenance men in the field, and the remainder were returned to the manufacturers for rebuilding.

A new station at Forest was put into service, following damage to the old station by fire, the transformers from the old station being used in the new station.

In the Dundas, Kitchener, Stratford and St. Marys districts the railway and wire crossings were made standard. In the Stratford, Brant, Kent and St. Clair districts the 26,000-volt lines were overhauled wholly or partially.

The lines between Stratford and Tavistock and between Watford Junction and Forest, were re-strung with A.C.S-R. wire. The circuits in the neighbourhood of Woodbridge and Stratford were rearranged.

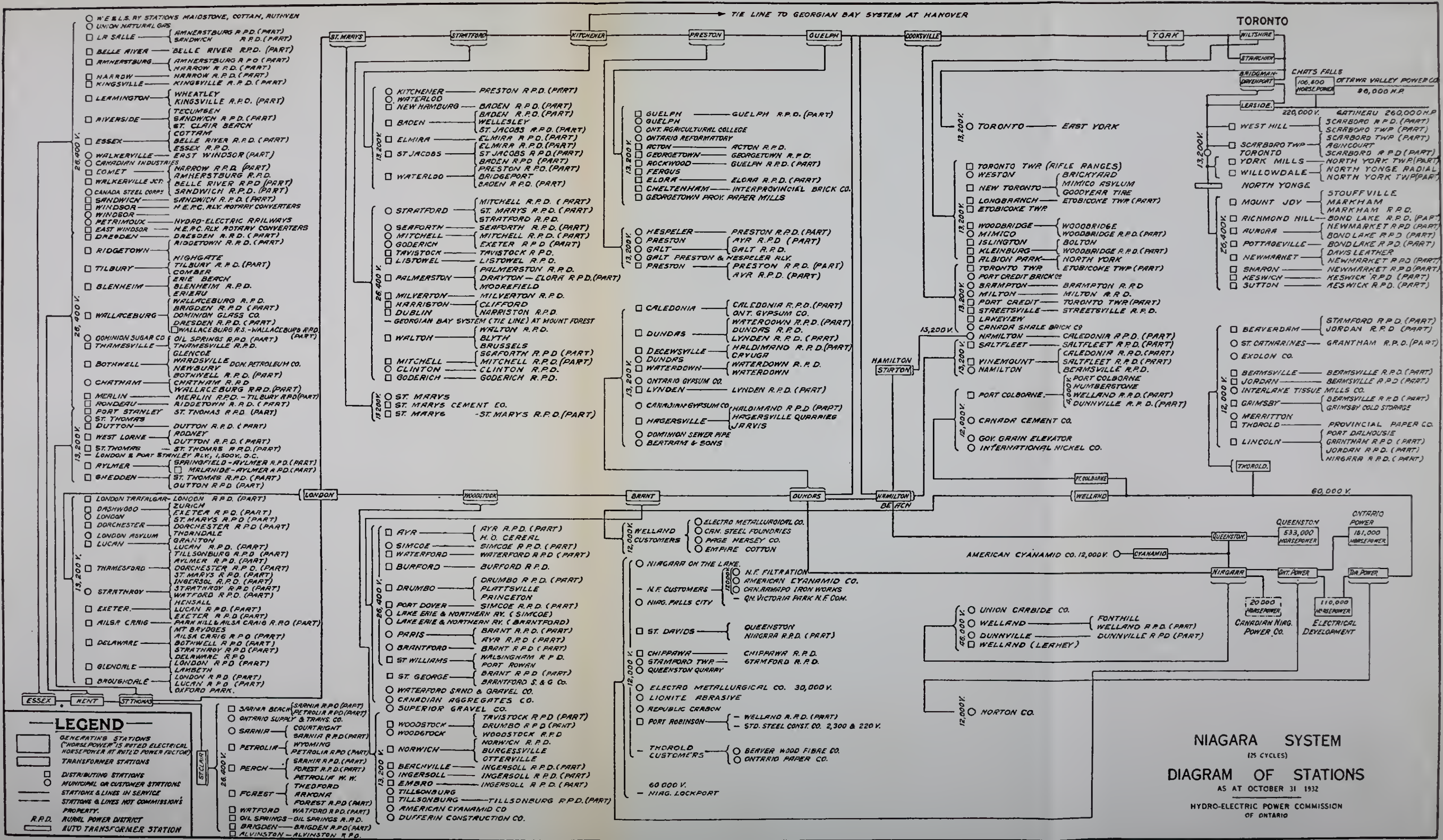
A new 13,000-volt line between Danforth Junction and West Hill was placed in service.

In the Dominion Power division a 1,000-kv-a. transformer failed during service in Cockshutt station, Brantford, and a 150-kv-a. transformer failed at the Scottish Fertilizer Co. station. These transformers were repaired and restored to service. One roof entrance bushing at Stoney Creek station, three condenser bushings at Bartonville switching station and one at Ancaster distributing station failed during service and were replaced. A set of lightning arresters was replaced at Burlington on the 40,000-volt line. Operation and maintenance of the two substations in Brantford was taken over by the Brantford Hydro-Electric System on June 1.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1930-1931-1932

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Acton	778.7	681.7	787.6	....	105.9
Agincourt	131.3	149.0	155.2	....	6.2
Ailsa Craig	87.9	147.9	81.5	66.4	....
Alvinston	88.2	94.2	87.9	6.3	....
Amherstburg	600.5	714.5	661.6	52.9	....
Ancaster Township	250.6	277.5	284.5	....	7.0
Arkona	61.6	55.3	52.6	2.7	....
Aurora	860.6	968.3	986.6	....	18.3
Aylmer	529.5	490.6	513.4	....	22.8
Ayr	172.2	207.6	161.1	46.5	....
Baden	277.5	281.2	237.9	43.3	....
Beachville	238.6	329.7	386.6	....	56.9
Belle River	148.8	146.8	124.6	22.2	....
Blenheim	386.0	379.3	369.9	9.4	....
Blyth	85.8	93.5	101.4	....	7.9
Bolton	118.4	131.7	118.8	12.9	....
Bothwell	97.8	104.5	105.2	....	0.7
Brampton	2,116.7	2,345.9	2,168.2	177.7	....
Brantford*	9,343.2	9,129.9	11,637.9	....	2,508.0
Brantford Township	542.5	530.8	505.1	25.7	....
Bridgeport	104.0	130.2	108.4	21.8	....
Brigden	86.0	83.3	88.4	....	5.1
Brussels	136.7	134.4	132.1	2.3	....
Burford	141.3	143.6	136.4	7.2	....
Burgessville	56.3	55.2	57.1	....	1.9
Caledonia	344.5	378.4	320.7	57.7	....
Campbellville	28.1	27.3	26.2	1.1	....
Cayuga	102.8	96.2	119.9	....	23.7
Chatham	4,188.1	4,167.0	4,285.0	....	118.0
Chippawa	270.8	261.4	218.0	43.4	....
Clifford	64.3	63.0	58.1	4.9	....
Clinton	415.0	462.4	408.8	53.6	....
Comber	143.1	125.7	158.1	....	32.4
Cottam	73.7	69.3	62.7	6.6	....
Courtright	47.5	40.7	39.4	1.3	....
Dashwood	69.3	69.3	65.9	3.4	....
Delaware	38.8	37.6	41.5	....	3.9
Dorchester	75.7	81.7	67.0	14.7	....
Drayton	89.0	96.8	99.4	....	2.6
Dresden	291.9	319.0	286.1	32.9	....
Drumbo	53.6	64.2	67.7	....	3.5
Dublin	45.5	48.6	34.2	14.4	....
Dundas	1,447.7	1,280.1	1,138.0	142.1	....
Dunnville	758.7	786.0	797.1	....	11.1
Dutton	212.6	236.8	237.4	....	0.6
East Windsor	3,072.4	2,761.4	2,450.4	311.0	....
Elmira	760.8	777.5	646.1	131.4	....
Elora	422.2	411.5	384.7	26.8	....
Embro	81.4	98.5	83.8	14.7	....
Erieau	60.3	61.6	70.7	....	9.1
Erie Beach	16.7	11.1	8.0	3.1	....
Essex	400.8	372.1	336.4	35.7	....
Etobicoke Township	3,345.7	3,159.5	3,361.9	....	202.4
Exeter	407.5	404.8	424.9	....	20.1

*D.P. & T. load included in Brantford for 1932.


TIE LINE TO GEORGIAN BAY SYSTEM AT HANOVER
ST. MARYS
STRATFORD
KITCHENER
PRESTON
GUELPH
COOKSVILLE
YORK
TORONTO
WILTSHIRE
STRACHAN
BRIDGMAN-DAVENPORT
LEASIDE
CHATS FALLS 106,800 HORSE POWER
OTTAWA VALLEY POWER CO. 90,000 H.P.
220,000 V.
GATINEAU 260,000 H.P.
WEST HILL — SCARBORO TWP (PART), SCARBORO TWP (PART)
SCARBORO TWP — SCARBORO TWP (PART), AGINCOURT
TORONTO — SCARBORO R.P.D. (PART)
YORK MILLS — NORTH YORK TWP (PART)
WILLOWDALE — NORTH YONGE RADIAL, NORTH YORK TWP (PART)
NORTH YONGE
MOUNT JOY — STOUFFVILLE, MARKHAM, MARKHAM R.P.D.
RICHMOND HILL — BOND LAKE R.P.D. (PART)
AURORA — NEWMARKET R.P.D. (PART), BOND LAKE R.P.D. (PART)
POTTAGEVILLE — BOND LAKE R.P.D. (PART)
NEWMARKET — DAVIS LEATHER, NEWMARKET R.P.D. (PART)
SHARON — NEWMARKET R.P.D. (PART)
KESWICK — KESWICK R.P.D. (PART)
SUTTON — KESWICK R.P.D. (PART)
13,200 V.
26,400 V.
TORONTO — EAST YORK
TORONTO TWP. (RIFLE RANGES)
WESTON — BRICKYARD
NEW TORONTO — MIMICO ASYLUM, GOODYEAR TIRE
LONGBRANCH — ETOBICOKE TWP. (PART)
ETOBICOKE TWP.
WOODBRIDGE — WOODBRIDGE, WOODBRIDGE R.P.D. (PART)
MIMICO
ISLINGTON — BOLTON
KLEINBURG — WOODBRIDGE R.P.D. (PART)
ALBION PARK — NORTH YORK
TORONTO TWP. — ETOBICOKE TWP (PART)
PORT CREDIT BRICK CO.
BRAMPTON — BRAMPTON R.P.D.
MILTON — MILTON R.P.D.
PORT CREDIT — TORONTO TWP. (PART)
STREETSVILLE — STREETSVILLE R.P.D.
LAKEVIEW
CANADA SHALE BRICK CO.
HAMILTON — CALEDONIA R.P.D. (PART)
SALTFLEET — SALTFLEET R.P.D. (PART)
VINEMOUNT — CALEDONIA R.P.D. (PART), SALTFLEET R.P.D. (PART)
HAMILTON — BEAMSVILLE R.P.D.
15,200 V.
HAMILTON STIRTON
PORT COLBORNE — PORT COLBORNE, HUMBERSTONE, WELLAND R.P.D. (PART), DUNNVILLE R.P.D. (PART)
4,000 V.
12,000 V.
CANADA CEMENT CO.
GOV. GRAIN ELEVATOR
INTERNATIONAL NICKEL CO.
BEAVERDAM — STAMFORD R.P.D. (PART), JORDAN R.P.D. (PART)
ST. CATHARINES — GRANTHAM R.P.D. (PART)
EXOLON CO.
BEAMSVILLE — BEAMSVILLE R.P.D. (PART)
JORDAN — BEAMSVILLE R.P.D. (PART)
INTERLAKE TISSUE MILLS CO.
GRIMSBY — BEAMSVILLE R.P.D. (PART), GRIMSBY COLD STORAGE
MERRITTON
THOROLD — PROVINCIAL PAPER CO.
LINCOLN — PORT DALHOUSIE, GRANTHAM R.P.D. (PART), JORDAN R.P.D. (PART), NIAGARA R.P.D. (PART)
THOROLD
PT. COLBORNE
WELLAND
60,000 V.
QUEENSTON 533,000 HORSEPOWER
ONTARIO POWER 161,000 HORSEPOWER
QUEENSTON
AMERICAN CYANAMID CO. 12,000 V.
CYANAMID
NIAGARA
ONT. POWER
TOR. POWER
20,000 HORSEPOWER CANADIAN NIAG. POWER CO.
110,000 HORSEPOWER ELECTRICAL DEVELOPMENT
UNION CARBIDE CO.
WELLAND — FONTHILL, WELLAND R.P.D. (PART)
DUNNVILLE — DUNNVILLE R.P.D. (PART)
WELLAND (LEAHEY)
58,000 V.
NORTON CO.
KITCHENER — PRESTON R.P.D. (PART)
WATERLOO
NEW HAMBURG — BADEN R.P.D. (PART)
BADEN — BADEN R.P.D. (PART), WELLESLEY, ST. JACOBS R.P.D. (PART)
ELMIRA — ELMIRA R.P.D. (PART)
ST. JACOBS — ELMIRA R.P.D. (PART), ST. JACOBS R.P.D. (PART), BADEN R.P.D. (PART)
WATERLOO — PRESTON R.P.D. (PART), BRIDGEPORT, BADEN R.P.D. (PART)
STRATFORD — MITCHELL R.P.D. (PART), ST. MARYS R.P.D. (PART), STRATFORD R.P.D.
SEAFORTH — SEAFORTH R.P.D. (PART)
MITCHELL — MITCHELL R.P.D. (PART)
GODERICH — EXETER R.P.D. (PART)
TAVISTOCK — TAVISTOCK R.P.D.
LISTOWEL — LISTOWEL R.P.D.
PALMERSTON — PALMERSTON R.P.D., DRAYTON — ELORA R.P.D. (PART), MOOREFIELD
MILVERTON — MILVERTON R.P.D.
HARRISTON — CLIFFORD
DUBLIN — HARRISTON R.P.D.
GEORGIAN BAY SYSTEM (TIE LINE) AT MOUNT FOREST
WALTON — WALTON R.P.D., BLYTH, BRUSSELS
MITCHELL — SEAFORTH R.P.D. (PART), MITCHELL R.P.D. (PART)
CLINTON — CLINTON R.P.D.
GODERICH — GODERICH R.P.D.
ST. MARYS
ST. MARYS CEMENT CO.
ST. MARYS — ST. MARYS R.P.D. (PART)
GUELPH — GUELPH R.P.D. (PART)
GUELPH
ONT. AGRICULTURAL COLLEGE
ONTARIO REFORMATORY
ACTON — ACTON R.P.D.
GEORGETOWN — GEORGETOWN R.P.D.
ROCKWOOD — GUELPH R.P.D. (PART)
FERGUS
ELORA — ELORA R.P.D. (PART)
CHELTENHAM — INTERPROVINCIAL BRICK CO.
GEORGETOWN PROV. PAPER MILLS
HESPELER — PRESTON R.P.D. (PART)
PRESTON — AYR R.P.D. (PART)
GALT — GALT R.P.D.
GALT PRESTON & HESPELER RLY.
PRESTON — PRESTON R.P.D. (PART), AYR R.P.D. (PART)
CALEDONIA — CALEDONIA R.P.D. (PART), ONT. GYPSUM CO.
DUNDAS — WATERDOWN R.P.D. (PART), DUNDAS R.P.D., LYNDEN R.P.D. (PART)
DECEWSVILLE — HALDIMAND R.P.D. (PART), CAYUGA
DUNDAS
WATERDOWN — WATERDOWN R.P.D., WATERDOWN
ONTARIO GYPSUM CO.
LYNDEN — LYNDEN R.P.D. (PART)
CANADIAN GYPSUM CO. — HALDIMAND R.P.D. (PART)
HAGERSVILLE — HAGERSVILLE QUARRIES, JARVIS
DOMINION SEWER PIPE
BERTRAM & SONS
W. E. & L. S. RY. STATIONS MAIDSTONE, COTTAM, RUTHVEN
UNION NATURAL GAS
LA SALLE — AMHERSTBURG R.P.D. (PART), SANDWICH R.P.D. (PART)
BELLE RIVER — BELLE RIVER R.P.D. (PART)
AMHERSTBURG — AMHERSTBURG R.P.D. (PART), HARROW R.P.D. (PART)
HARROW — HARROW R.P.D. (PART)
KINGSVILLE — KINGSVILLE R.P.D. (PART)
LEAMINGTON — WHEATLEY, KINGSVILLE R.P.D. (PART)
RIVERSIDE — TECUMSEH, SANDWICH R.P.D. (PART), ST. CLAIR BEACH
ESSEX — COTTAM, BELLE RIVER R.P.D. (PART), ESSEX R.P.D.
WALKERVILLE — EAST WINDSOR (PART)
CANADIAN INDUSTRIES
COMET — HARROW R.P.D. (PART), AMHERSTBURG R.P.D.
WALKERVILLE JCT. — BELLE RIVER R.P.D. (PART)
CANADA STEEL CORPS. — SANDWICH R.P.D. (PART)
SANDWICH — SANDWICH R.P.D. (PART)
WINDSOR — H.E.P.C. RLY. ROTARY CONVERTERS
WINDSOR
PETRIMOUX — HYDRO-ELECTRIC RAILWAYS
EAST WINDSOR — H.E.P.C. RLY. ROTARY CONVERTERS
DRESDEN — DRESDEN R.P.D. (PART)
RIDGETOWN — RIDGETOWN R.P.D. (PART), HIGHGATE
TILBURY — TILBURY R.P.D. (PART), COMBER
BLENHEIM — ERIE BEACH, BLENHEIM R.P.D., ERIEAU
WALLACEBURG — WALLACEBURG R.P.D., BRIGDEN R.P.D. (PART), DOMINION GLASS CO., DRESDEN R.P.D. (PART), WALLACEBURG R.S. - WALLACEBURG R.P.D. (PART)
DOMINION SUGAR CO. — OIL SPRINGS R.P.D. (PART)
THAMESVILLE — THAMESVILLE R.P.D.
BOTHWELL — GLENCOE, WARDSVILLE, DOM. PETROLEUM CO., NEWBURY, BOTHWELL R.P.D. (PART)
CHATHAM — CHATHAM R.P.D., WALLACEBURG R.P.D. (PART)
MERLIN — MERLIN R.P.D. - TILBURY R.P.D. (PART)
RONDEAU — RIDGETOWN R.P.D. (PART)
PORT STANLEY — ST. THOMAS R.P.D. (PART)
ST. THOMAS
DUTTON — DUTTON R.P.D. (PART)
WEST LORNE — RODNEY, DUTTON R.P.D. (PART)
ST. THOMAS — ST. THOMAS R.P.D. (PART)
LONDON & PORT STANLEY RLY. 1,500 V. D.C.
AYLMER — SPRINGFIELD - AYLMER R.P.D. (PART), MALAHIDE - AYLMER R.P.D. (PART)
SHEDDEN — ST. THOMAS R.P.D. (PART), DUTTON R.P.D. (PART)
26,400 V.
13,200 V.
ESSEX
KENT
ST. THOMAS
LONDON
WOODSTOCK
BRANT
DUNDAS
HAMILTON BEACH
LONDON TRAFALGAR — LONDON R.P.D. (PART)
DASHWOOD — ZURICH, EXETER R.P.D. (PART)
LONDON — ST. MARYS R.P.D. (PART)
DORCHESTER — DORCHESTER R.P.D. (PART)
LONDON ASYLUM — THORNDALE
LUCAN — GRANTON, LUCAN R.P.D. (PART)
THAMESFORD — TILLSONBURG R.P.D. (PART), AYLMER R.P.D. (PART), DORCHESTER R.P.D. (PART), ST. MARYS R.P.D. (PART), INGERSOL R.P.D. (PART)
STRATHROY — STRATHROY R.P.D. (PART), WATFORD R.P.D. (PART)
EXETER — HENSALL, LUCAN R.P.D. (PART), EXETER R.P.D. (PART)
AILSA CRAIG — PARKHILL & AILSA CRAIG R.P.D. (PART)
DELAWARE — MT. BRYDGES, AILSA CRAIG R.P.D. (PART), BOTHWELL R.P.D. (PART), STRATHROY R.P.D. (PART), DELAWARE R.P.D.
GLENDALE — LONDON R.P.D. (PART), LAMBETH
BROUGHDALE — LONDON R.P.D. (PART), LUCAN R.P.D. (PART), OXFORD PARK
ST. CLAIR
SARNIA BEACH — SARNIA R.P.D. (PART), PETROLIA R.P.D. (PART)
ONTARIO SUPPLY & TRANS. CO.
SARNIA — COURTRIGHT, SARNIA R.P.D. (PART)
PETROLIA — WYOMING, PETROLIA R.P.D. (PART)
PERCH — SARNIA R.P.D. (PART), FOREST R.P.D. (PART), PETROLIA W. W.
FOREST — THEDFORD, ARKONA, FOREST R.P.D. (PART)
WATFORD — WATFORD R.P.D. (PART)
OIL SPRINGS — OIL SPRINGS R.P.D.
BRIGDEN — BRIGDEN R.P.D. (PART)
ALVINSTON — ALVINSTON R.P.D.
AYR — AYR R.P.D. (PART), H. O. CEREAL
SIMCOE — SIMCOE R.P.D. (PART)
WATERFORD — WATERFORD R.P.D. (PART)
BURFORD — BURFORD R.P.D.
DRUMBO — DRUMBO R.P.D. (PART), PLATTSVILLE, PRINCETON
PORT DOVER — SIMCOE R.P.D. (PART)
LAKE ERIE & NORTHERN RY. (SIMCOE)
LAKE ERIE & NORTHERN RY. (BRANTFORD)
PARIS — BRANT R.P.D. (PART), AYR R.P.D. (PART)
BRANTFORD — BRANT R.P.D. (PART)
ST. WILLIAMS — WALSINGHAM R.P.D., PORT ROWAN
ST. GEORGE — BRANT R.P.D. (PART), BRANTFORD S. & G. CO.
WATERFORD SAND & GRAVEL CO.
CANADIAN AGGREGATES CO.
SUPERIOR GRAVEL CO.
WOODSTOCK — TAVISTOCK R.P.D. (PART), DRUMBO R.P.D. (PART)
WOODSTOCK — WOODSTOCK R.P.D.
NORWICH — NORWICH R.P.D., BURGESSVILLE, OTTERVILLE
BEACHVILLE — INGERSOLL R.P.D. (PART)
INGERSOLL — INGERSOLL R.P.D. (PART)
EMBRO — INGERSOLL R.P.D. (PART)
TILLSONBURG
TILLSONBURG — TILLSONBURG R.P.D. (PART)
AMERICAN CYANAMID CO.
DUFFERIN CONSTRUCTION CO.
WELLAND CUSTOMERS — ELECTRO METALLURGICAL CO., CAN. STEEL FOUNDRIES, PAGE HERSEY CO., EMPIRE COTTON
NIAGARA ON THE LAKE
N.F. CUSTOMERS — N.F. FILTRATION, AMERICAN CYANAMID CO., CAN. RAMAPO IRON WORKS, QN. VICTORIA PARK N.F. COM.
NIAG. FALLS CITY
ST. DAVIDS — QUEENSTON, NIAGARA R.P.D. (PART)
CHIPPAWA — CHIPPAWA R.P.D.
STAMFORD TWP. — STAMFORD R.P.D.
QUEENSTON QUARRY
ELECTRO METALLURGICAL CO. 30,000 V.
LIONITE ABRASIVE
REPUBLIC CARBON
PORT ROBINSON — WELLAND R.P.D. (PART), STD. STEEL CONST. CO. 2,300 & 220 V.
THOROLD CUSTOMERS — BEAVER WOOD FIBRE CO., ONTARIO PAPER CO.
60,000 V.
NIAG. LOCKPORT
12,000 V.

LEGEND

- ▭ GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
- ▭ TRANSFORMER STATIONS
- ☐ DISTRIBUTING STATIONS
- ○ MUNICIPAL OR CUSTOMER STATIONS
- ── STATIONS & LINES IN SERVICE
- - - STATIONS & LINES NOT COMMISSIONED PROPERTY.
- R.P.D. RURAL POWER DISTRICT
- ▭ AUTO TRANSFORMER STATION

NIAGARA SYSTEM

(25 CYCLES)

DIAGRAM OF STATIONS

AS AT OCTOBER 31 1932

HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1930-1931-1932—Continued

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Fergus	729.7	686.3	652.5	33.8	....
Fonthill	126.7	163.6	138.5	25.1	....
Forest	290.8	305.6	332.1	....	26.5
Galt	6,854.3	6,301.6	6,071.1	230.5	....
Georgetown	923.8	889.0	902.7	....	13.7
Glencoe	159.5	173.2	170.8	2.4	....
Goderich	1,068.7	983.4	970.5	12.9	....
Granton	47.9	93.4	90.4	3.0	....
Guelph	7,423.8	7,794.9	7,710.5	84.4	....
Hagersville	1,136.7	943.7	1,046.9	....	103.2
Hamilton	60,434.8	86,641.1	76,409.6	10,231.5	....
Harriston	292.9	311.6	289.2	22.4	....
Harrow	349.8	368.6	332.1	36.5	....
Hensall	146.1	165.5	150.4	15.1	....
Hespeler	1,453.1	1,831.4	1,864.9	....	33.5
Highgate	73.3	59.9	61.6	....	1.7
Humberstone	331.1	384.7	324.4	60.3	....
Ingersoll	2,103.3	1,915.9	1,870.0	45.9	....
Jarvis	172.9	179.9	178.7	1.2	....
Kingsville	451.7	446.4	420.9	25.5	....
Kitchener	16,315.3	15,834.7	14,874.6	960.1	....
Lambeth	107.2	107.2	99.6	7.6	....
LaSalle	237.5	241.3	211.5	29.8	....
Leamington	1,042.9	1,065.9	1,112.6	....	46.7
Listowel	855.2	865.3	906.1	....	40.8
London	28,954.0	27,908.8	29,437.4	....	1,528.6
London Township V.A.	293.5	311.2	713.4	....	60.2
Long Branch	....	754.1	736.0	18.1	....
Lucan	167.1	174.1	134.0	40.1	....
Lynden	85.1	83.1	74.5	8.6	....
Markham	205.0	238.6	249.3	....	10.7
Merlin	174.2	91.8	94.7	....	2.9
Merritton	2,603.2	2,281.5	2,737.3	....	455.8
Milton	1,024.4	705.3	597.1	108.2	....
Milverton	343.1	344.5	311.4	33.1	....
Mimico	2,013.4	2,103.1	2,211.8	....	108.7
Mimico Asylum	65.0	65.0	65.0	....	....
Mitchell	469.1	500.0	422.2	77.8	....
Moorefield	30.8	48.2	58.2	....	10.0
Mount Brydges	80.4	89.0	92.7	....	3.7
Newbury	40.2	41.8	43.4	....	1.6
New Hamburg	492.9	492.3	470.2	22.1	....
Newmarket	1,069.7	1,340.5	1,380.7	....	40.2
New Toronto	5,069.7	5,194.4	4,766.7	427.7	....
Niagara Falls	9,864.6	9,351.2	8,774.0	577.2	....
Niagara-on-the-Lake	575.1	536.2	548.8	....	12.6
Norwich	321.7	331.7	335.1	....	3.4
Oil Springs	182.4	156.9	172.7	....	15.8
Ontario Agricultural College	320.3	401.6	427.6	....	26.0
Ontario Central Reformatory	229.2	282.8	249.3	33.5	....
Otterville	68.0	83.6	77.7	5.9	....

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1930-1931-1932—Continued

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Palmerston	444.9	518.9	458.5	60.4	
Paris	1,305.8	1,242.0	1,178.4	63.6	
Parkhill	150.1	140.7	131.3	9.4	
Petrolia	794.4	731.4	761.7		30.3
Plattsville	49.6	60.8	53.3	7.5	
Point Edward	664.9	267.4	689.0		421.6
Port Colborne	1,595.2	1,608.6	1,407.5	201.1	
Port Credit	591.1	537.5	549.3		11.8
Port Dalhousie	423.6	457.1	439.7	17.4	
Port Dover	296.9	315.2	315.6		0.4
Port Rowan	74.4	74.2	73.0	1.2	
Port Stanley	218.5	220.9	228.5		7.6
Preston	3,341.8	3,128.6	2,560.3	568.3	
Princeton	80.4	101.3	103.2		1.9
Queenston	83.1	87.1	83.5	3.6	
Richmond Hill	257.9	317.3	297.0	20.3	
Ridgetown	461.1	416.9	439.7		22.8
Riverside	1,238.3	1,212.7	1,200.6	12.1	
Rockwood	107.2	104.5	104.5		
Rodney	139.8	145.6	145.7		0.1
St. Catharines	8,999.2	8,449.7	7,872.8	576.9	
St. Clair Beach	80.4	97.6	90.7	6.9	
St. George	134.0	92.5	147.4		54.9
St. Jacobs	246.5	140.2	152.8		12.6
St. Marys	1,402.1	1,521.9	1,501.8	20.1	
St. Thomas	5,624.6	5,643.4	5,761.4		118.0
Sarnia	6,950.3	6,801.6	7,360.6		559.0
Sandwich	3,861.4	3,459.3	2,996.4	462.9	
Scarboro Township	2,788.2	3,034.8	3,124.6		89.8
Seaforth	466.1	510.9	465.3	45.6	
Simcoe	1,365.1	1,491.1	1,546.1		55.0
Springfield	85.1	52.9	65.6		12.7
Stamford Township	1,843.2	1,831.1	1,859.8		28.7
Stouffville	155.5	194.7	204.1		9.4
Stratford	7,760.5	7,790.6	7,180.2	610.4	
Strathroy	907.3	1,000.0	910.2	89.8	
Sutton	144.4	150.4	152.7		2.3
Tavistock	431.6	523.6	496.0	27.6	
Tecumseh	438.3	443.8	302.2	141.6	
Thamesford	153.5	154.1	158.8		4.7
Thamesville	197.8	178.3	171.0	7.3	
Thedford	52.5	60.8	57.6	3.2	
Thorndale	40.2	46.1	40.6	5.5	
Thorold	2,170.9	1,941.7	1,956.4		14.7
Tilbury	502.7	321.7	366.6		44.9
Tillsonburg	811.0	884.7	891.0		6.3
Toronto	280,280.0	289,262.7	280,795.0	8,467.7	
Toronto Township	1,612.3	1,668.1	1,868.0		199.9
Walkerville	8,256.0	6,348.5	5,454.7	893.8	
Wallaceburg	1,808.3	1,059.0	1,252.0		193.0
Wardsville	32.1	38.0	35.4	2.6	
Waterdown	246.0	231.9	191.7	40.2	
Waterford	371.3	380.0	406.8		26.8
Waterloo	2,814.7	2,946.2	2,660.8	285.4	

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1930-1931-1932—Continued

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Watford	167.5	200.4	186.3	14.1	....
Welland	3,848.5	3,967.8	3,576.4	391.4	....
Wellesley	126.6	142.7	97.7	45.0	....
West Lorne	273.4	97.8	105.9	....	8.1
Weston	3,150.1	2,619.2	2,453.1	166.1	....
Wheatley	142.0	155.7	143.1	12.6	....
Windsor	28,087.8	25,431.8	23,029.9	2,401.9	....
Woodbridge	288.2	293.5	247.9	45.6	....
Woodstock	4,879.3	4,781.5	4,785.5	....	4.0
Wyoming	61.0	60.3	64.6	....	4.3
York, East, Township	4,788.2	5,138.0	5,504.0	....	366.0
York, North, Township	2,143.4	2,757.4	2,829.7	....	72.3
Zurich	92.5	85.9	76.4	9.5	....

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1930-1931-1932

Rural power district	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Acton	2.0	10.0	10.0	....	....
Ailsa Craig	0.8	5.6	5.6	....	....
Alvinston	1.6	3.2	3.2	....	....
Amherstburg	525.2	518.8	533.7	....	14.9
Aylmer	245.3	304.8	294.4	10.4	....
Ayr	24.5	32.0	42.5	....	10.5
Baden	253.7	293.0	398.6	....	105.6
Beamsville	915.5	1,072.2	1,061.1	11.1	....
Belle River	263.2	269.9	254.9	15.0	....
Blenheim	123.1	153.5	143.6	9.9	....
Bond Lake	715.3	840.7	897.2	....	56.5
Bothwell	124.5	102.9	115.6	....	12.9
Brampton	119.2	127.3	133.3	....	6.0
Brant	451.6	565.2	464.9	100.3	....
Brigden	33.2	35.7	38.0	....	2.3
Burford	105.9	145.3	155.9	....	10.6
Caledonia	209.2	205.5	322.0	....	116.5
Chatham	470.1	434.0	441.3	....	7.3
Chippawa	120.6	109.9	102.2	7.7	....
Clinton	90.1	124.6	125.2	....	0.6
Delaware	247.4	297.2	265.3	31.9	....
Dorchester	321.4	335.9	329.4	6.5	....
Dresden	10.0	28.5	34.6	....	6.1
Drumbo	85.9	64.6	79.2	....	14.6
Dundas	355.6	552.3	578.3	....	26.0
Dunnville	4.0	29.0	42.0	....	13.0
Dutton	100.0	115.7	122.8	....	7.1

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1930-1931-1932—Continued

Rural power district	Peak load in horsepower			Change in load 1931-1932	
	Oct., 1930	Oct., 1931	Oct., 1932	Decrease	Increase
Elmira	40.8	72.7	79.6	....	6.9
Elora	84.0	139.8	105.7	34.1	....
Essex	209.5	213.9	201.0	12.9	....
Exeter	194.4	217.6	245.5	....	27.9
Forest	16.3	28.0	28.0	....	....
Galt	154.7	179.6	197.9	....	18.3
Georgetown	123.1	132.4	134.8	....	2.4
Goderich	65.0	71.5	84.0	....	12.5
Grantham Township	479.6	643.2	527.1	116.1	....
Guelph	348.5	392.1	415.5	....	23.4
Haldimand	228.2	193.2	240.0	....	46.8
Harriston	4.8	22.1	23.9	....	1.8
Harrow	349.8	399.4	345.1	54.3	....
Ingersoll	303.2	370.6	329.8	40.8	....
Jordan	294.6	200.0	320.0	....	120.0
Keswick	209.5	291.1	381.6	....	90.5
Kingsville	545.3	526.6	545.8	....	19.2
Listowel	96.5	113.9	131.9	....	18.0
London	1,420.3	1,451.8	1,509.0	....	57.2
Lucan	66.5	65.3	64.6	0.7	....
Lynden	143.0	160.0	177.2	....	17.2
Markham	296.2	387.7	453.0	....	65.3
Merlin	144.7	157.5	175.2	....	17.7
Milton	99.8	124.8	128.2	....	3.4
Milverton	45.5	74.5	69.5	5.0	....
Mitchell	161.0	190.4	187.8	2.6	....
Newmarket	213.8	290.3	255.7	34.6	....
Niagara	504.5	598.9	434.5	164.4	....
Norwich	202.0	207.7	202.3	5.4	....
Oil Springs	37.1	45.5	44.9	0.6	....
Palmerston	4.0	31.5	37.5	....	6.0
Petrolia	27.0	25.3	25.3	....	....
Preston	770.4	848.1	848.2	....	0.1
Ridgetown	328.7	284.2	260.8	23.4	....
St. Jacobs	238.7	241.9	218.5	23.4	....
St. Marys	185.7	243.6	210.4	33.2	....
St. Thomas	460.6	465.0	469.3	....	4.3
Saltfleet	663.8	1,114.6	1,029.9	84.7	....
Sandwich	1,060.9	1,008.3	1,001.9	6.4	....
Sarnia	427.7	491.1	466.4	24.7	....
Scarborough	285.5	315.0	296.6	18.4	....
Seaforth	36.5	46.3	47.8	....	1.5
Simcoe	155.5	175.0	231.0	....	56.0
Stamford	174.9	193.0	185.1	7.9	....
Stratford	167.8	176.1	164.9	11.2	....
Strathroy	37.2	96.6	95.0	1.6	....
Streetsville	342.5	376.2	324.3	51.9	....

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1930-1931-1932—Continued

Rural power district	Peak load in horsepower			Change in load 1931-1932	
	Oct., 1930	Oct., 1931	Oct., 1932	Decrease	Increase
Tavistock	141.1	165.7	194.4	....	28.7
Thamesville	97.7	105.9	100.9	5.0	....
Tilbury	67.3	78.1	119.4	....	41.3
Tillsonburg	279.9	321.3	302.4	18.9	....
Wallaceburg	114.7	180.5	179.8	0.7	....
Walsingham	76.8	128.7	150.8	....	22.1
Walton	66.7	84.5	70.7	13.8	....
Waterdown	491.2	830.5	906.5	....	76.0
Waterford	119.0	129.2	158.2	....	29.0
Watford	11.5	17.6	16.4	1.2	....
Welland	1,095.2	1,115.3	1,161.8	....	46.5
Woodbridge	538.3	561.9	550.0	11.9	....
Woodstock	501.1	480.6	487.4	....	6.8

GEORGIAN BAY SYSTEM

The Georgian Bay system peak and average loads both show an increase over last year. As this was a good water year there was a surplus of water at all plants, and ample capacity was available for supplying the additional power demand.

In addition to the routine inspection and maintenance of all transmission lines, special attention was given to certain sections. In Eugenia district the defective insulators and crossarms were removed on the lines from Eugenia power house to Owen Sound, from Eugenia plant to Flesherton, from Flesherton to Dundalk, from Grand Valley tap to Grand Valley and from Meaford tap to Meaford. Additional storm guys were erected on lines from Durham to Mount Forest, from Flesherton to Priceville and from Dundalk to Shelburne. On this latter section, 375 decayed pole butts were cut off and the poles lowered. A large number of poles were stubbed on the sections between Durham and Mount Forest and between Hanover and Elmwood. In the Severn district defective crossarms and insulators were removed on the lines south of Barrie and on the old lines between Waubaushene and Midland. On the tie line between South Falls powerhouse and Waubaushene the insulators were tested and defective units removed. On the older lines in the Severn and Wasdells districts obsolete ground cable clamps were replaced with new type clamps.

Co-operation was given to the Bell Telephone Company in its studies and tests in connection with inductive co-ordination. Twenty-six poles were removed to the opposite side of the road, west of Waverley, to avoid conflict with the Bell Telephone Company circuits when the road was widened, and at several other points on the system it was necessary to move poles owing to changes in highway locations.

During a severe sleet storm in the Durham district on January 1, eighteen poles failed on the section between Durham and Mount Forest, interrupting service to Holstein and Mount Forest. Temporary repairs were made and power restored January 2. This was the only major line break during the year.

At Big Chute plant a septic tank and a disposal bed were installed.

At Stayner distributing station a bell alarm system was installed to indicate the automatic operation of oil circuit breakers on the Creemore, Wasaga Beach and Stayner feeders.

At Port McNicoll distributing station the transformer capacity was increased from 75 kv-a. to 150 kv-a.

At Eugenia Falls powerhouse the No. 2 turbine and Johnson valve were completely overhauled. The turbine runner and gates were shipped to the Commission's machine shop at Niagara Falls where the runner was machined, all holes in runner buckets were welded and then ground, new steel cheek plates and new seal rings made, and all gates welded and machined. The turbine shaft was machined smooth where it had become worn at the main gland, and a bronze ring was installed on the end of the gland to accommodate the smaller diameter of the shaft. This latter portion of the work was done at Eugenia powerhouse. The Johnson valve was shipped to a machine shop at Owen Sound where the eroded spots on the float were welded, the valve body was bored out and the body of the float machined. New monel metal rings were made for the valve body and the bottom of the float and welded to the cast-steel bodies electrically, then machined to size.

At Fugenia plant the exteriors of all cottages and outbuildings were painted.

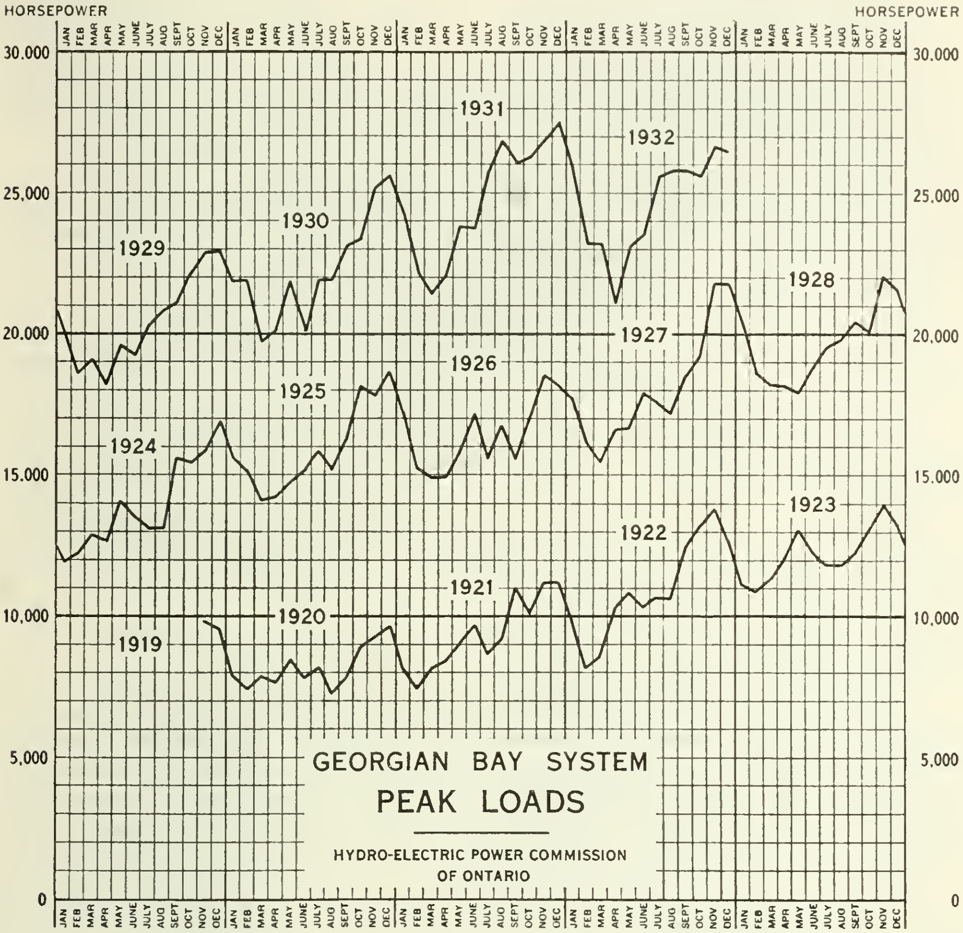
At Hanover frequency changer station a bank of four 500-kv-a., 4,600/2,400-volt, 60-cycle transformers was installed to supply 4,000-volt, three-phase service to Hanover distributing station. This station was formerly supplied at 22,000 volts and the voltage stepped down through a 750-kv-a. transformer. This transformer was removed and changes made at Hanover distributing station to accommodate the 4,000-volt feeder from Hanover frequency changer station which was strung on the 22,000-volt transmission line poles. This change was considered advisable as Hanover load had increased beyond the capacity of the 750-kv-a. transformer.

At Walkerton power house various changes and betterments were carried out which necessitated the plant being out of service from October 31, 1931, to January 24, 1932. These changes involved the rearrangement of switchboard and switchboard wiring to provide greater safety, also the installation of additional meters. At this plant the defective timber in the headgates, and in the supports for the headgate operating mechanism, were replaced, and the exciter turbine was completely overhauled.

At Hanover power house the turbines were overhauled.

Southampton power house was shut down on March 18, as its capacity was not required owing to the good water conditions general throughout the system.

At Walkerton power house a new distributing station of 225-kv-a. capacity was erected, to be known as Walkerton rural distributing station, for the supply of 4,000-volt, three-phase power to Mildmay, Formosa, and rural lines. This station was completed January 24, 1932.



NOTE:—The Georgian Bay system includes the Severn, Eugenia, Wasdells, Muskoka and Bala districts. In the diagram the load for the Muskoka, district is not included until November, 1924. Details respecting this load for preceeding years are given in earlier Annual Reports. The load of the new district at Bala is not included in above graph until April, 1931, previous meter records being incomplete.

The 2,200-volt line from Walkerton powerhouse to Mildmay was rebuilt for operation at 4,000 volts, and will ultimately be connected to the Walkerton rural distributing station, but at present is connected to the Walkerton power house 2,200-volt bus.

Berkeley distributing station, of 50-kv-a. capacity, was erected and placed in service November 26, 1931, to serve part of Markdale rural power district.

At Hepworth distributing station the two 50-kv-a. transformers were removed for shipment to Callander and were replaced with one 100-kv-a. transformer.

At Orangeville distributing station the transformer capacity was increased from 450 kv-a. to 750 kv-a. and a new outdoor station structure was erected.

At Elmwood distributing station the transformer capacity was increased from 50 kv-a. to 75 kv-a.

At Durham distributing station the three 100-kv-a. transformers were overhauled, cleaned and new oil added.

At Mount Forest frequency-changer station three 300-kv-a., 60-cycle transformers were shipped to the manufacturer's factory and were rewound with new type windings as the insulation on the old windings had shown signs of disintegration.

At Hanover frequency-changer station one 750-kv-a., 25-cycle, 13,200/63,500-volt transformer failed, due to lightning, and was shipped to the Commission's Davenport station in Toronto where repairs were made. This was the only transformer failure on the Georgian Bay system during the year.

At Wasdells power house the turbines were inspected and found to be in good condition. The guide bearing on No. 2 generator was found badly worn on one side and was rebabbitted.

At Wasdells rural distributing station the transformer capacity was increased from 112.5 kv-a. to 225 kv-a. This station serves the Sparrow Lake rural power district.

At Bala No. 1 power house a new transformer structure was erected for the step-up transformers on the McTier and Port Carling feeders. This structure was not quite completed at the end of this fiscal year.

At Bala No. 1 power house the turbines were completely overhauled and all worn parts replaced.

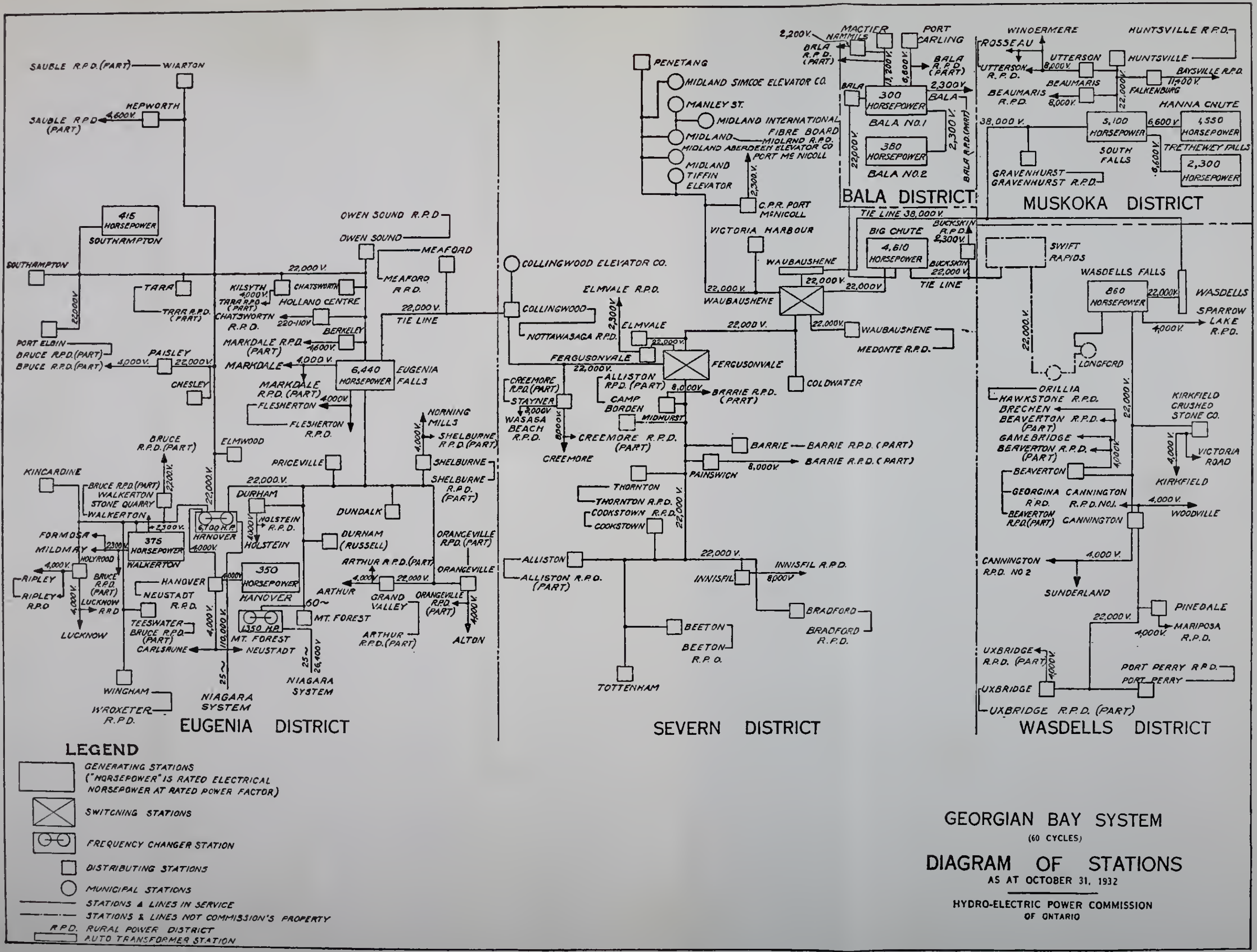
At South Falls generating station some repair work to the main dam was required where the action of the water had undermined the concrete apron on the downstream side. Further office space was provided by the construction of a small office on the intermediate gallery between the generator floor and high-tension switching gallery. Only minor mechanical repairs to generator and turbine units were required. Station grounding was tested and improved.

At Hanna Chute generating station a large amount of mechanical maintenance work on the turbine was required owing to the development of friction between gates and regulating ring and between gates and discharge ring. A gear-type oil pump was installed on the unit to replace the unsatisfactory rotary-disc type. The lignum-vitae turbine bearing was relined and adjusted. Provision was made for lubricating the bearing surfaces between all gate bushings and gate pins. The log slide at this station was lengthened and adjusted to prevent damage to logs when leaving the slide.

At Trethewey Falls generating station the steel draft tube was scraped and painted with red lead as a protective measure. Only minor adjustments to the turbine were required. Heaters for keeping generator bearing and governor oil warm during periods of shut down in cold weather were installed.

Grounding conditions at all stations on the Muskoka district were tested and improvements where necessary are now being undertaken.

A new outdoor distributing station at Falkenburg, approximately 2.5 miles north of Bracebridge was placed in service on July 1. By means of three 100-kv-a. transformers, power received at 22,000 volts from the line between South Falls and Huntsville is stepped down to 11,400-volts to supply the hamlets of Dorset, Norway Point and Baysville, and the surrounding rural district.



GEORGIAN BAY SYSTEM

(60 CYCLES)

DIAGRAM OF STATIONS

AS AT OCTOBER 31, 1932

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

EUGENIA DISTRICT
SEVERN DISTRICT
WASDELLS DISTRICT
BALA DISTRICT
MUSKOKA DISTRICT
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
SWITCHING STATIONS
FREQUENCY CHANGER STATION
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
R.P.D. RURAL POWER DISTRICT
AUTO TRANSFORMER STATION
SAUBLE R.P.D. (PART)
WIARTON
HEPWORTH
SAUBLE R.P.D. (PART)
4,600 V.
415 HORSEPOWER
SOUTHAMPTON
SOUTHAMPTON
22,000 V.
PORT ELGIN
BRUCE R.P.D. (PART)
BRUCE R.P.D. (PART)
PAISLEY
4,000 V.
22,000 V.
CHESLEY
TARA
TARA R.P.D. (PART)
KILSYTH
TARA R.P.D. (PART)
CHATSWORTH
HOLLAND CENTRE
CHATSWORTH R.P.D.
220-110 V.
BERKELEY
MARKDALE R.P.D. (PART)
MARKDALE
6,440 HORSEPOWER
EUGENIA FALLS
MARKDALE R.P.D. (PART)
FLESHERTON
FLESHERTON R.P.D.
OWEN SOUND R.P.D.
OWEN SOUND
MEAFORD
MEAFORD R.P.D.
22,000 V. TIE LINE
NORNING MILLS
SHELBURNE R.P.D. (PART)
SHELBURNE
SHELBURNE R.P.D. (PART)
PRICEVILLE
BRUCE R.P.D. (PART)
ELMWOOD
KINCARDINE
BRUCE R.P.D. (PART)
WALKERTON STONE QUARRY
WALKERTON
2,300 V.
6,700 H.P. HANOVER
FORMOSA
MILDMAY
HOLYROOD
375 HORSEPOWER
WALKERTON
RIPLEY
RIPLEY R.P.D.
BRUCE R.P.D. (PART)
LUCKNOW R.P.D.
LUCKNOW
HANOVER
NEUSTADT R.P.D.
TEESWATER
BRUCE R.P.D. (PART)
CARLSRUHE
WINGHAM
WROXETER R.P.D.
DURHAM
HOLSTEIN R.P.D.
HOLSTEIN
350 HORSEPOWER
HANOVER
1,350 H.P.
MT. FOREST
NEUSTADT
110,000 V.
25~
NIAGARA SYSTEM
DUNDALK
DURHAM (RUSSELL)
ARTHUR R.P.D. (PART)
ARTHUR
60~
MT. FOREST
26,400 V.
NIAGARA SYSTEM
GRAND VALLEY
ORANGEVILLE R.P.D. (PART)
ORANGEVILLE
ORANGEVILLE R.P.D. (PART)
ARTHUR R.P.D. (PART)
ALTON
COLLINGWOOD ELEVATOR CO.
COLLINGWOOD
NOTTAWASAGA R.P.D.
ELMVALE R.P.D.
ELMVALE
FERGUSONVALE
CREEMORE R.P.D. (PART)
STAYNER
WASAGA BEACH R.P.D.
CREEMORE R.P.D. (PART)
CREEMORE
ALLISTON R.P.D. (PART)
CAMP BORDEN
MIDHURST
FERGUSONVALE
BARRIE R.P.D. (PART)
COLDWATER
BARRIE
BARRIE R.P.D. (PART)
BARRIE R.P.D. (PART)
PAINSWICK
THORNTON
THORNTON R.P.D.
COOKSTOWN R.P.D.
COOKSTOWN
ALLISTON
ALLISTON R.P.D. (PART)
INNISFIL R.P.D.
INNISFIL
BRADFORD
BRADFORD R.P.D.
BEETON
BEETON R.P.D.
TOTTENHAM
PENETANG
MIDLAND SIMCOE ELEVATOR CO.
MANLEY ST.
MIDLAND INTERNATIONAL FIBRE BOARD
MIDLAND
MIDLAND R.P.D.
MIDLAND ABERDEEN ELEVATOR CO
PORT McNICOLL
MIDLAND TIFFIN ELEVATOR
C.P.R. PORT McNICOLL
VICTORIA HARBOUR
WAUBAUSHENE
WAUBAUSHENE
WAUBAUSHENE
MEDONTE R.P.D.
MACTIER
NAMMILS
PORT CARLING
BALA R.P.D. (PART)
BALA R.P.D. (PART)
300 HORSEPOWER
BALA NO. 1
380 HORSEPOWER
BALA NO. 2
BALA
BALA R.P.D. (PART)
TIE LINE 38,000 V.
BIG CHUTE
4,610 HORSEPOWER
BUCKSKIN R.P.D.
BUCKSKIN
TIE LINE
WINDERMERE
ROSSEAU
HUNTSVILLE R.P.D.
UTTERSON
UTTERSON R.P.D.
HUNTSVILLE
BAYSVILLE R.P.D.
BEAUMARIS
BEAUMARIS R.P.D.
FALKENBURG
HANNA CHUTE
38,000 V.
5,100 HORSEPOWER
1,550 HORSEPOWER
SOUTH FALLS
TRETHEWEY FALLS
2,300 HORSEPOWER
GRAVENHURST
GRAVENHURST R.P.D.
SWIFT RAPIDS
WASDELLS FALLS
860 HORSEPOWER
WASDELLS
SPARROW LAKE R.P.D.
LONGFORD
ORILLIA
HAWKSTONE R.P.D.
BRECHIN
BEAVERTON R.P.D. (PART)
GAMEBRIDGE
BEAVERTON R.P.D. (PART)
BEAVERTON
GEORGINA R.P.D.
CANNINGTON R.P.D. NO. 1
BEAVERTON R.P.D. (PART)
CANNINGTON
KIRKFIELD CRUSHED STONE CO.
VICTORIA ROAD
KIRKFIELD
WOODVILLE
CANNINGTON R.P.D. NO 2
SUNDERLAND
PINEDALE
MARIPOSA R.P.D.
UXBRIDGE R.P.D. (PART)
UXBRIDGE
UXBRIDGE R.P.D. (PART)
PORT PERRY R.P.D.
PORT PERRY

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1930-1931-1932

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Alliston	221.9	199.6	227.9	....	28.3
Arthur	121.1	130.7	128.9	1.8	....
Bala	....	121.0	118.0	3.0	....
Barrie	2,285.6	2,503.4	2,381.1	122.3	....
Beaverton	269.4	295.6	216.4	79.2	....
Beeton	119.8	134.7	106.6	28.1	....
Bradford	135.3	138.2	134.9	3.3	....
Brechin	52.0	59.0	56.3	2.7	....
Camp Borden	321.7	290.0	320.0	....	30.0
Cannington	172.9	155.5	161.9	....	6.4
Carlsruhe and Neustadt	41.5	33.5	30.0	3.5	....
Chatsworth	52.2	51.7	53.2	....	1.5
Chesley	428.9	406.9	407.5	....	0.6
Coldwater	277.5	290.9	257.3	33.6	....
Collingwood	1,506.8	1,458.3	1,339.9	118.4	....
Cookstown	63.5	52.5	59.0	....	6.5
Creemore	101.9	107.2	121.4	....	14.2
Dundalk	140.7	145.1	148.8	....	3.7
Durham	601.9	627.3	392.1	235.2	....
Elmvale	160.8	145.4	147.4	....	2.0
Elmwood	52.2	63.8	65.1	....	1.3
Flesherton	101.6	87.0	79.8	7.2	....
Formosa	....	45.0	41.8	3.2	....
Grand Valley	99.2	121.1	123.8	....	2.7
Gravenhurst	553.0	622.0	574.0	48.0	....
Hanover	1,136.7	1,002.7	1,042.9	....	40.2
Hepworth	....	24.1	24.1	....	....
Holstein	17.0	20.9	18.7	2.2	....
Hornings Mills	8.0	8.0	8.0	....	....
Huntsville	963.8	1,023.5	1,047.0	....	23.5
Kincardine	449.0	434.8	407.5	27.3	....
Kirkfield	35.1	31.0	28.6	2.4	....
Lucknow	229.2	222.5	187.0	35.5	....
Markdale	139.9	163.3	149.4	13.9	....
McTier	....	148.0	145.0	3.0	....
Meaford	368.6	431.6	394.7	36.9	....
Midland	3,115.2	2,723.7	3,345.6	....	621.9
Mildmay	....	63.1	66.7	....	3.6
Mount Forest	384.7	358.4	328.4	30.0	....
Orangeville	576.0	550.3	621.0	....	70.7
Owen Sound	3,183.6	3,202.4	3,338.5	....	136.1
Paisley	138.0	113.1	114.4	....	1.3
Penetanguishene	605.9	552.3	561.1	....	8.8
Port Carling	....	126.0	128.0	....	2.0
Port Elgin	....	195.0	201.8	....	6.1
Port McNicoll	88.4	99.0	90.2	8.8	....
Port Perry	240.4	211.9	179.8	32.1	....
Priceville	15.4	15.7	16.0	....	0.3
Ripley	55.6	55.4	58.9	....	3.5
Rosseau	....	30.0	35.1	....	5.1

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1930-1931-1932—Continued

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Shelburne	233.7	235.8	197.9	37.9	....
Southampton	....	233.2	235.9	....	2.7
Stayner	140.8	193.7	203.2	....	9.5
Sunderland	63.0	59.0	63.0	....	4.0
Tara	72.7	84.1	87.7	....	3.6
Teeswater	116.0	134.8	114.9	19.9	....
Thornton	23.6	23.4	18.3	5.1	....
Tottenham	76.8	55.7	64.3	....	8.6
Uxbridge	180.9	199.8	205.8	....	6.0
Victoria Harbour	71.0	64.3	76.4	....	12.1
Victoria Road	11.4	10.3	10.0	0.3	....
Walkerton	....	492.2	419.9	72.3	....
Waubaushene	40.9	52.9	58.3	....	5.4
Wiarton	....	238.3	220.1	18.2	....
Windermere	26.8	25.0	31.0	....	6.0
Wingham	392.2	304.6	209.3	95.3	....
Woodville	55.0	65.1	61.0	4.1	....

Note:—Muskoka Township has been transferred to Gravenhurst R.P.D.

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1930-1931-1932

Rural power district	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Alliston	74.2	92.2	107.1	....	14.9
Arthur	1.2	3.2	3.2	....	....
Bala	....	56.0	61.0	....	5.0
Barrie	159.3	196.3	220.7	....	24.4
Beaumaris	87.1	83.1	85.8	....	2.7
Beaverton	1.0	5.0	113.3	....	108.3
Bradford	5.4	20.0	46.7	....	26.7
Bruce	....	50.3	61.1	....	10.8
Buckskin	17.7	12.0	13.0	....	1.0
Cannington No. 1	19.0	18.0	18.0	....	....
Cannington No. 2	21.7	23.5	26.0	....	2.5
Chatsworth	11.4	9.8	10.3	....	0.5
Cookstown	....	0.8	0.8	....	....
Creemore	....	20.1	56.2	....	36.1
Elmvale	46.2	63.2	72.4	....	9.2
Flesherton	5.7	5.5	7.3	....	1.8
Georgina	36.2	42.2	44.0	....	1.8
Gravenhurst	20.7	32.1	37.2	....	5.1
Hawkestone	45.1	56.3	84.1	....	27.8
Huntsville	....	14.0	20.0	....	6.0

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1930-1931-1932
—Continued

Rural power districts	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Innisfil	65.0	135.4	162.2	....	26.8
Mariposa	131.3	151.4	151.4	....	....
Markdale	1.6	2.0	20.9	....	18.9
Medonte	2.0	11.0	17.0	....	6.0
Midland	....	14.0	19.0	....	5.0
Nottawasaga	32.1	29.6	30.3	....	0.7
Orangeville	27.8	35.5	33.1	2.4	....
Owen Sound	....	8.0	10.0	....	2.0
Port Perry	78.6	103.1	121.8	....	18.7
Ripley	....	10.0	10.0	....	....
Sauble	....	8.0	8.8	....	0.8
Shelburne	4.9	9.6	21.1	....	11.5
Sparrow Lake	67.0	98.4	119.8	....	21.4
Tara	54.8	45.7	54.0	....	8.3
Thornton	13.4	12.0	12.7	....	0.7
Utterson	9.4	24.0	35.0	....	11.0
Uxbridge	85.8	102.5	104.5	....	2.0
Wasaga	45.5	76.0	92.5	....	16.5
Wroxeter	47.5	104.2	99.5	4.7	....

GEORGIAN BAY SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct. 1932	Decrease	Increase
Beeton	Nov. 1, 1931	2.0	2.0	....	....
Baysville	July 1, 1932	34.2	36.2	....	2.0

EASTERN ONTARIO SYSTEM

On the Eastern Ontario system general industrial conditions resulted in a slight decrease in both the maximum demand and average load. However, considering the general effect of the depression on industrial customers, the load on this system made a very favourable showing. The decrease, which amounted to less than 5 per cent, was very largely due to the slackening of industrial activities in the Central Ontario, St. Lawrence and Madawaska districts. On account of these reductions in load it has been possible to effect certain economies in operation by maintaining the following generating stations on a standby basis:—Plant No. C-30 at Fenelon Falls and Plant No. C-5 at Frankford in the Central Ontario district and Galetta generating station in the Madawaska district. Furthermore, the agreement under which the Commission has been taking power from time to time from the Corporation of Campbellford was cancelled by the Commission on March 31.

Stream flow conditions on the whole were very favourable during the year, and better than the average during those periods of the year when minimum conditions are usually experienced. This was due to very favourable precipitation, as will be noted from the accompanying plate, which clearly illustrates, month by month, the actual and normal precipitation in inches of rain.

During the year the usual programme of station and line maintenance work was carried out. This includes general maintenance and painting of buildings, structures and apparatus.

Generating Stations

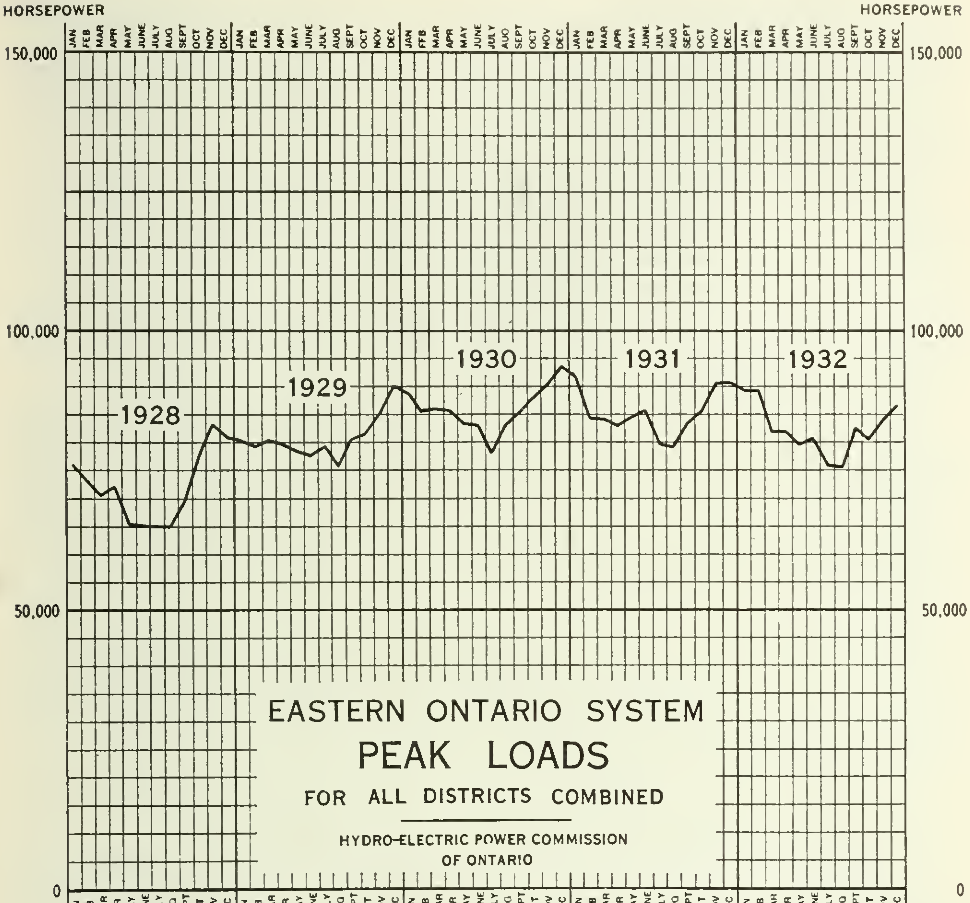
At Sidney, plant No. C-2, no extensive maintenance work was necessary. The units were all inspected and it was only necessary to replace the upper guide bearing of one generator. The river was lowered and the racks in front of the forebay were cleaned. The power house floors and walls, and the five operators' cottages, were all painted.

At Frankford, plant No. C-5 the ball bearing on the turbine exciter was overhauled. The forebay was unwatered and all the racks were cleaned. The power house floors and metal eaves on the roof were painted.

At Meyersburg, plant No. C-8, all turbines were unwatered and inspected, and the racks were cleaned. The runners of two turbines were badly eroded, but satisfactory repairs were made by welding. The stuffing boxes on all turbines were repacked. The walls and ceiling of one turbine pit was waterproofed, and water leaks between two other turbines were stopped. The high-tension line and generator oil breakers were all overhauled, and two defective high-tension bushings were replaced. All insulators on the disconnecting switches and the 44,000-volt bus were replaced by an improved type of insulator. The stator and rotor of all generators were thoroughly cleaned and painted. The collector rings were all ground and polished. The geared oil pump on one generator had to be replaced. The upper guide bearings were replaced on two of the generators. The three high-tension transformers were moved into the plant, one transformer at a time. The cores were raised, thoroughly inspected and cleaned. The insides of the transformer tanks were similarly treated. The oil was filtered and the transformers were then returned to their respective places outdoors. In order to provide improved relay protection, the high-tension neutral was grounded and directional residual relays were installed.

At Hagues Reach, plant No. C-9, all turbines were unwatered and inspected but no extensive maintenance work was found necessary. A new set of gears and drive chain were installed on one of the governor pumps. All insulators on the disconnecting switches and the 44,000-volt bus were replaced by an improved type of insulator. The high-tension line and generator oil-breakers were all overhauled and three defective high-tension bushings were replaced.

At Ranney Falls, plant No. C-10, the forebay was unwatered and the racks were cleaned. The turbines were inspected and adjustments were made to the lignum-vitae guide bearings in each turbine. A broken collar and shearing pin was replaced in one of the gate arms of one turbine. Concrete loading was



installed on the sliding headgates of each turbine. The high-tension oil-breakers and electrolytic lightning arresters were overhauled. The high-tension line relays were reconnected to provide more effective protection. The walls, ceilings and floors of the basement and generator pits were painted.

At Seymour, plant No. C-11, the forebay was unwatered and the racks were cleaned. All turbines were unwatered, and inspection showed that no major maintenance work was necessary. The upper guide bearing of one turbine was replaced and repairs were made to the crown gears of two turbines. A broken regulating ring arm was replaced on the exciter turbine. All governors were dismantled and thoroughly cleaned and all defective parts were replaced. The high-tension oil-breakers were overhauled on two occasions. Three generators failed in service during the year, due to severe surges during electrical storms, and it was necessary to replace a total of 167 bars. The upper guide bearing of one generator was rebabbited. As a safety measure, the iron ladder between the generator room and the high-tension gallery was replaced by steel steps with cement treads.

At Heely Falls, plant No. C-14, all turbines were unwatered and inspected, and it was found that one of the runners of one turbine was badly eroded. Satisfactory repairs were made by welding. A number of defective gate link bolts were replaced in each of the other two turbines. A steel guard was installed over the screen of the Pelton wheel of one unit. The high-tension oil-breakers were overhauled. The footings of the steel towers outside the power house were examined, and the stone retaining wall was rebuilt.

At Auburn, plant No. C-18, the forebay was unwatered and the racks were cleaned. The lower section of the stop-log gains in the dam in front of the forebay were examined and cleaned by a diver. The walls of the forebay were repaired. The turbines were inspected and all damaged or broken parts were replaced. Extensive grading was done on the land adjacent to the power house. This work was undertaken in conjunction with the city of Peterborough to provide work for the unemployed.

At Fenelon Falls, plant No. C-30, the turbines were unwatered and repairs and adjustments were made to the gate-operating mechanism of one turbine. The rheostats of both generators were overhauled. A 300-kv-a. transformer bank was installed outside the power house to provide a neutral for an 11,000-volt rural feeder which was taken off the station bus. This feeder was equipped with an oil-circuit breaker, relays and metering equipment, and supplies power to the Fenelon Falls rural power district.

At High Falls generating station, on the Mississippi river, the turbines were inspected but no extensive maintenance work was found necessary. The governor pump of one unit was completely overhauled. The high-tension and low-tension oil-breakers were overhauled. The power house roof was treated with a special roofing compound.

Municipal, Distributing and Switching Stations

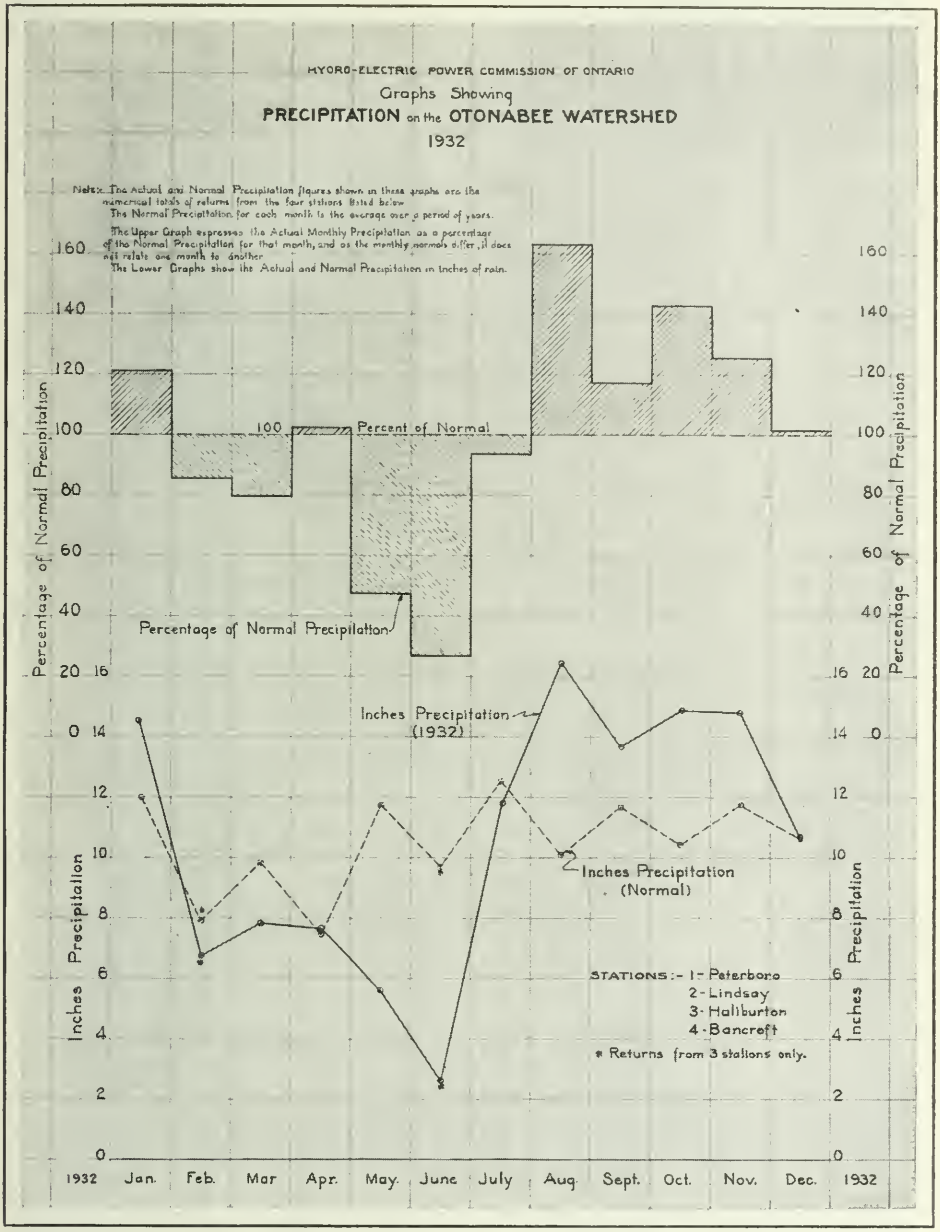
At Belleville switching station, all the high-tension oil-breakers were overhauled. All insulators on the high-tension line disconnecting switches were replaced by an improved type of insulator. Two sets of defective strain insulators were replaced on the 44,000-volt bus. A number of defective control cables, which extend underground between the switchboard and the various high-tension switch houses, were replaced. Relays were installed to provide more effective protection on the 44,000-volt bus.

At Lehigh distributing station, two defective high-tension wall-inlet bushings were replaced. The high-tension oil-breakers and electrolytic lightning arresters were overhauled. All of the insulators and the electrical equipment was thoroughly cleaned.

At Madoc distributing station, a defective 44,000-volt disconnecting switch was replaced. All the low-tension oil-breakers were overhauled.

At Norwood distributing station, three defective high-tension bushings were replaced in the 300-kv-a. transformer. The 44,000-volt air-break switch was overhauled.

At Omemee distributing station, the three 40-kv-a. transformers failed in service and were returned to the manufacturer where they were completely rebuilt. These transformers were replaced by three 50-kv-a. transformers which



Note:- The Actual and Normal Precipitation figures shown in these graphs are the numerical totals of returns from the four stations listed below

The Normal Precipitation for each month is the average over a period of years.

The Upper Graph expresses the Actual Monthly Precipitation as a percentage of the Normal Precipitation for that month, and as the monthly normals differ, it does not relate one month to another

The Lower Graphs show the Actual and Normal Precipitation in inches of rain.

PLATE A—PRECIPITATION DATA—1932

The upper graph represents the estimated actual monthly precipitation on the Otonabee watershed expressed as a percentage of the normal precipitation.

The estimate is based upon the actual and normal return of the Meteorological Service for Peterboro, Lindsay, Bancroft and Haliburton.

Although the numerical values differ from month to month the normal precipitation is taken as 100 per cent, hence the solidly hatched areas represent the amount by which the precipitation exceeded the average while the dotted hatched area represents in a similar manner the deficiencies.

The lower graph shows the actual and normal precipitation in inches of rain.

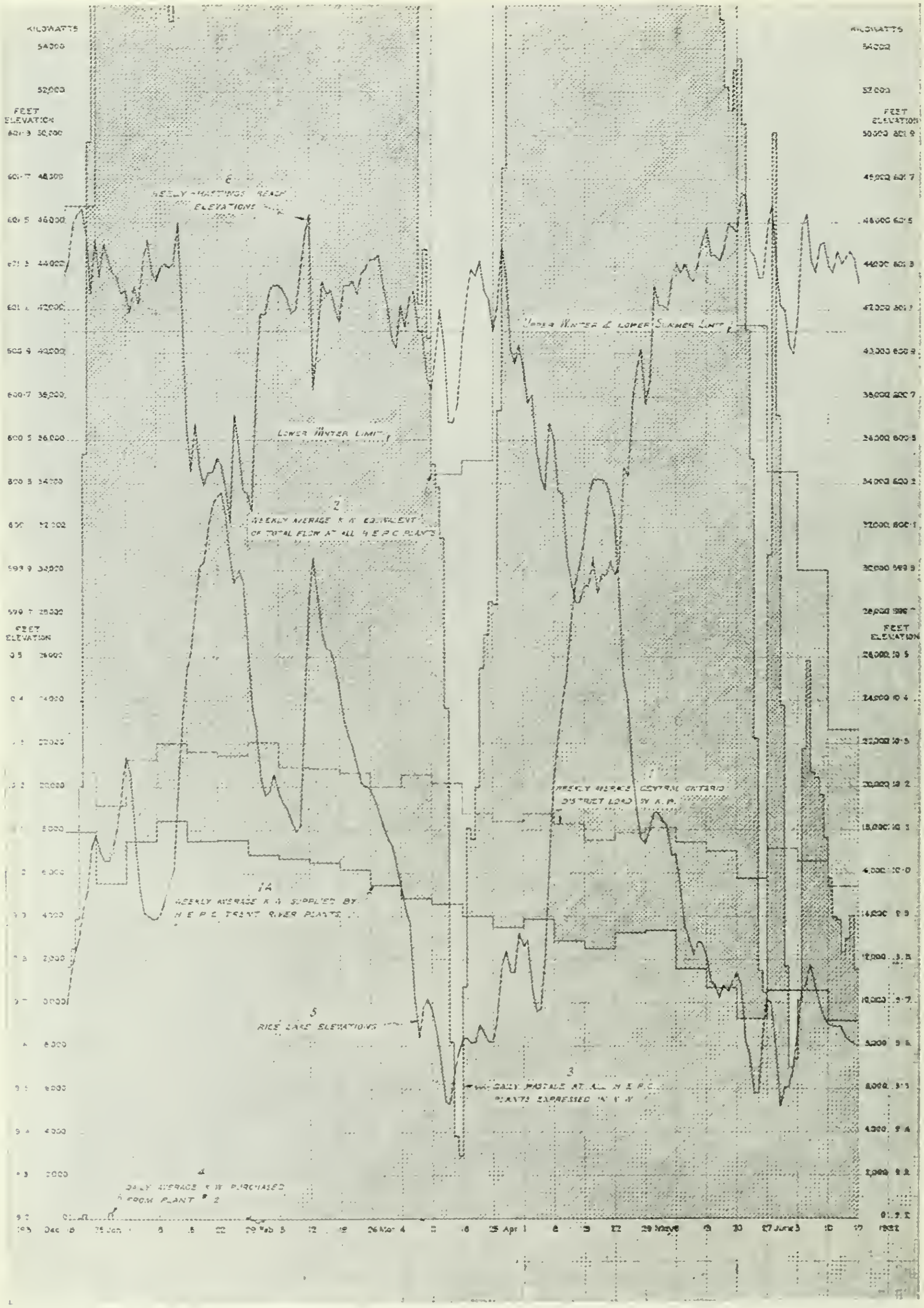


PLATE B1—GENERAL OPERATING DATA

December 18, 1931, to June 17, 1932

GRAPH No. 1—System average weekly load in kilowatts, which includes power purchased from the Gatineau Power Company and Plant No. 12.

GRAPH No. 1a—Weekly average load in kilowatts supplied by H.E.P.C. plants on the Trent and Otonabee rivers.

GRAPH No. 2—Weekly average power equivalent of total flow at all H.E.P.C. plants. This equals the weekly average load supplied by these plants, plus the power equivalent of the weekly average wastage at these plants. This wastage is shown by the dotted hatched area between curves 2 and 1a.

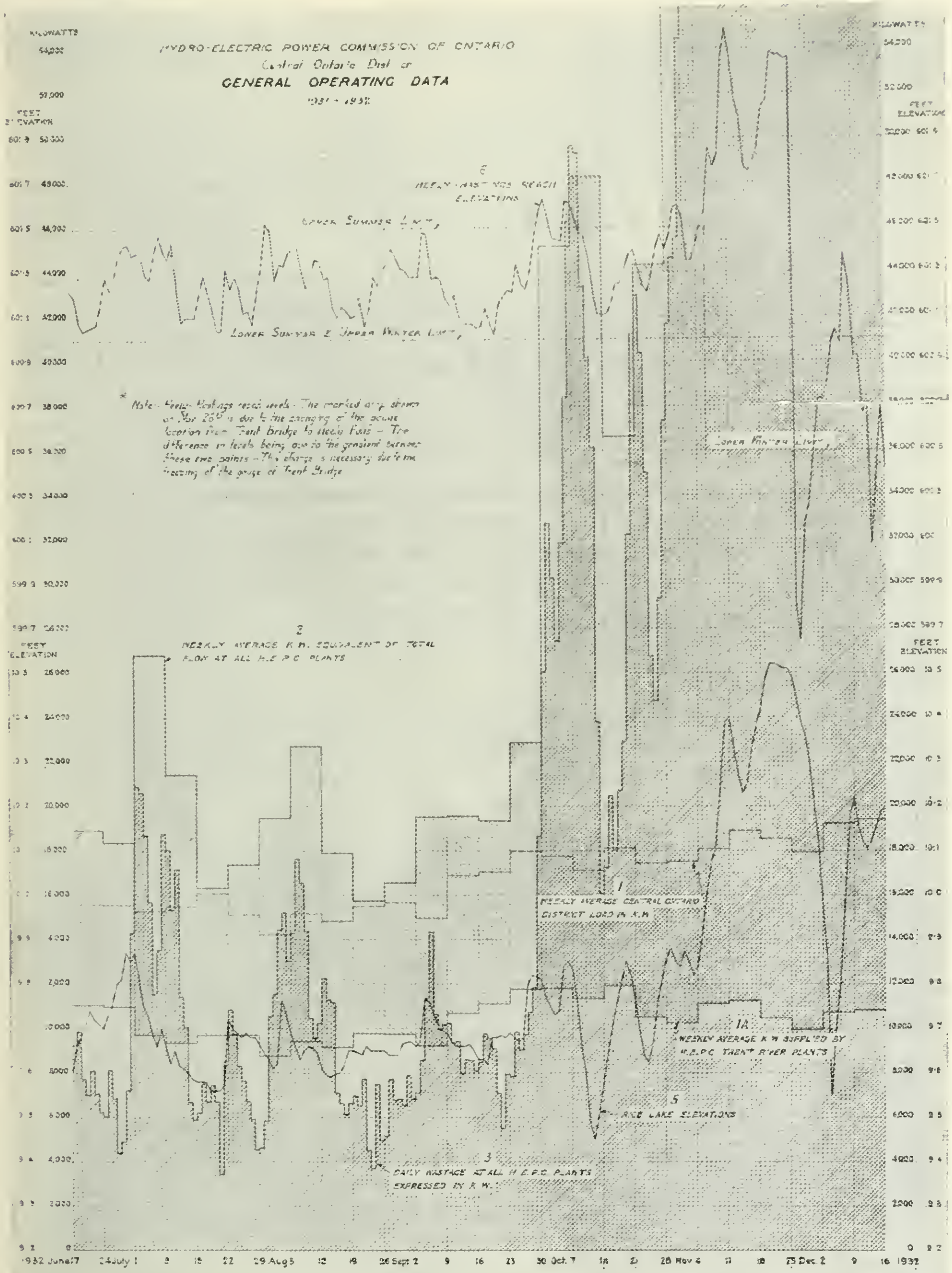


PLATE B2—GENERAL OPERATING DATA

June 17, 1932 to December 16, 1932

GRAPH No. 3— Average daily wastage at all H.E.P.C. plants. In the weekly aggregate the hatched area under this graph equals the wastage represented by the dotted hatched area between curves 2 and 1a.

GRAPH No. 4—Average daily power purchased from plant No. 12.

GRAPH No. 5—Midnight elevations of Rice lake.

GRAPH No. 6—Midnight elevations of Heely-Hastings reach.

were mounted on a cement pad. The high-tension and low-tension busses were rearranged. A new platform was installed in order to facilitate work in connection with replacing high-tension fuses.

At Oshawa No. 1 distributing station, there were no apparatus failures requiring extensive maintenance. All insulators were replaced on the 44,000-volt outdoor bus and on the 44,000-volt disconnecting switches with an improved type of insulator. New graphic metering equipment was installed on the Brooklin feeder.

At Oshawa No. 2 distributing station, all the old type insulators were replaced on the 44,000-volt disconnecting switches. Three single-pole disconnecting switches were installed on the secondary side of the 3,000-kv-a. transformer. The 4,160-volt tie line between this station and Oshawa No. 1 distributing station was rearranged and connected through an oil-breaker, and this station was then fed directly from No. 1 station. The 3,000-kv-a. transformer was then cut out of service until such time as it may be required to carry additional load.

At Port Hope distributing station, the high-tension electrolytic lightning arresters were overhauled. Repairs were also made to the low-tension oil-breakers. The station roof was rebuilt. The walls, ceilings and floors of the basement, switchboard room and the transformer pockets were painted.

At Port Hope switching station all the high-tension oil-breakers were overhauled. The roofs of the four switch houses were repaired and treated with roofing compound.

At Sidney terminal station, all the high-tension and low-tension oil-breakers were overhauled. Two defective 44,000-volt oil-breaker bushings were replaced. The high-tension line relays were reconnected to provide more effective protection.

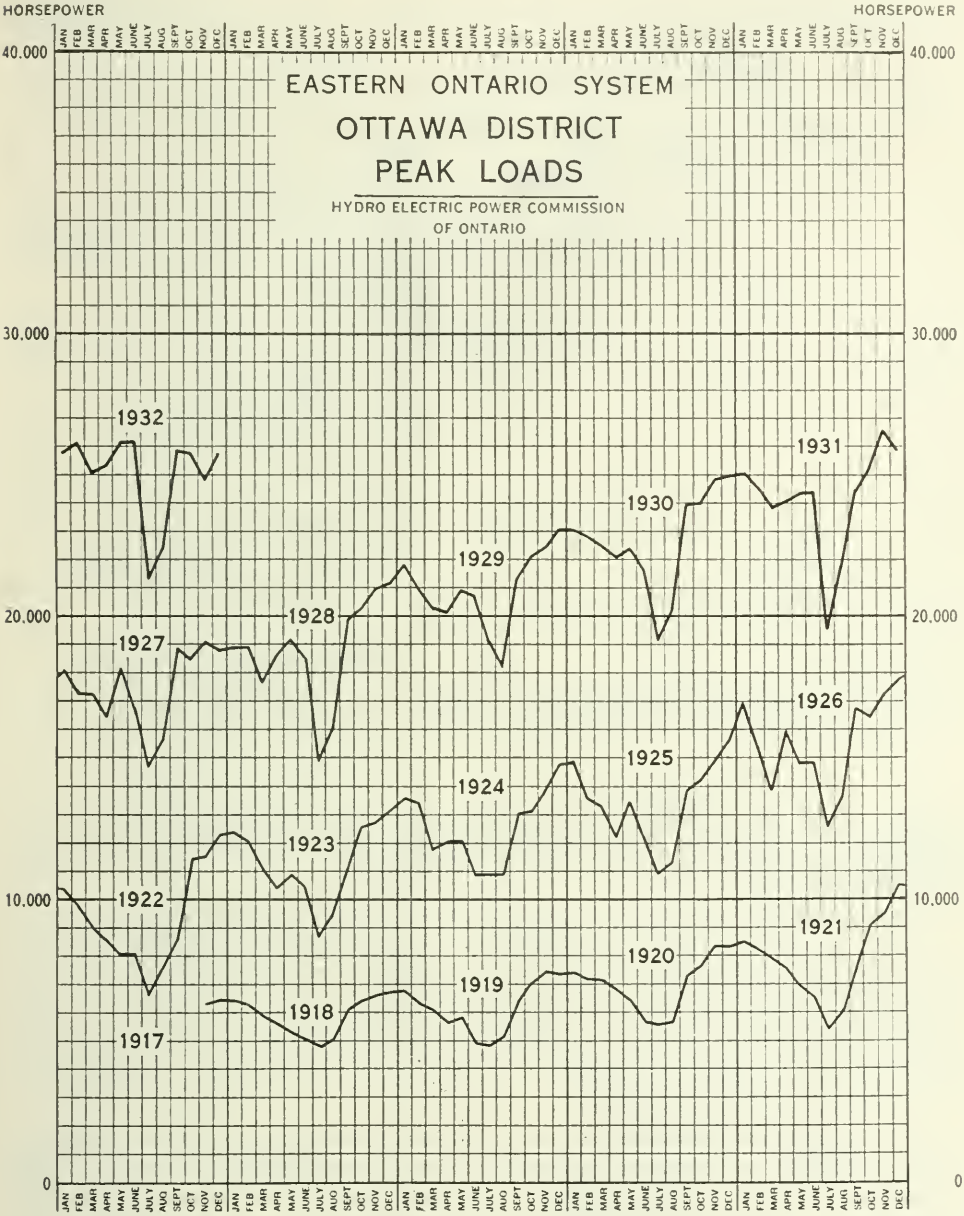
At Auburn transformer station, all insulators were replaced on the high-tension bus and the high-tension disconnecting switches with an improved type of insulator. The high-tension oil-breakers were overhauled. Two defective high-tension oil-breaker bushings were replaced. A number of defective current transformers were rebuilt. A second 44,000-volt circuit was built between this station and Peterborough municipal station in order to provide greater security of service to Peterborough.

At Frontenac transformer station, near Kingston, a spare 500-kv-a. transformer was installed.

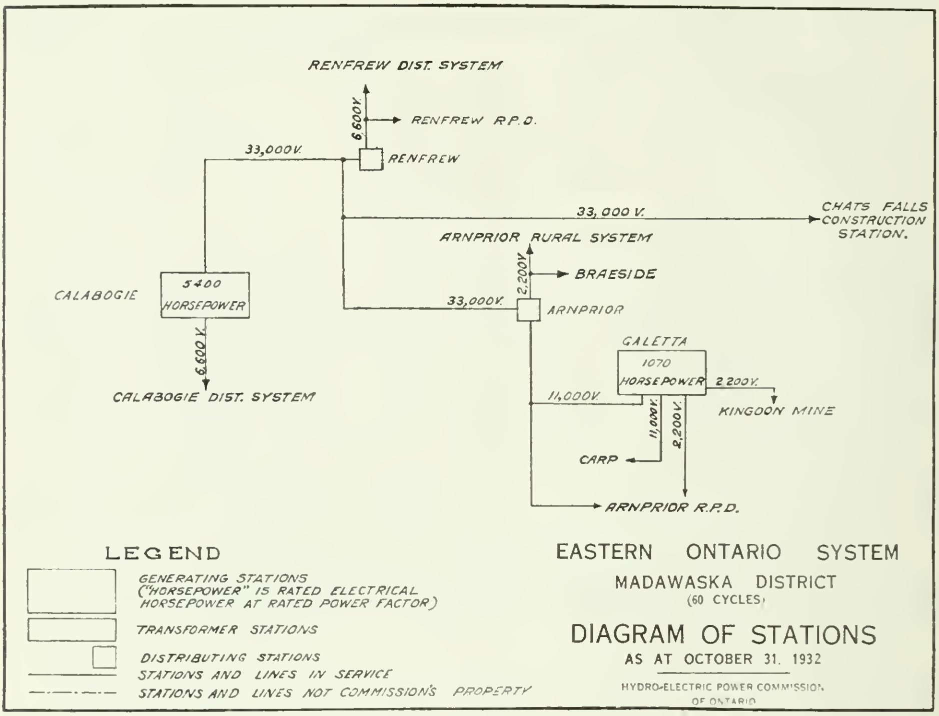
At Perth distributing station, a second 750-kv-a. transformer was placed in service on July 25. An automatic air-break switch was installed, replacing the old manual type air-break switch and high-tension fuses. New platforms were built in order to facilitate work during switching operations. New relay equipment, and a 24-volt storage battery and charging equipment, were also installed.

At Balderson distributing station, the 50-kv-a. transformer was replaced by a 150-kv-a. transformer. The air-break switch was reinsulated with an improved type of insulator.

At Smiths Falls transformer station, lightning arresters were installed on the Rideau district tie line. The 750-kv-a. transformer supplying power to the Rideau district, was replaced by a 1,500-kv-a. transformer on November 14, 1931. On August 27, two 1,250-kv-a. single-phase transformers, and one 1,500-



kv-a. three-phase transformer, failed in service. The 1,250-kv-a. transformers were operating in parallel on one phase of the 110,000-volt 7,500-kv-a. transformer bank. The 1,500-kv-a. transformer was used in connection with the Rideau district supply, and also acted as a tertiary for the 7,500-kv-a. bank. The 7,500-kv-a. bank was made up of one 5,000-kv-a. transformer in one phase and two 1,250-kv-a. transformers connected in parallel in each of the other two phases. Service was restored by regrouping the remaining good units in the 110,000-volt bank and installing the reserve 750-kv-a. transformer on the Rideau district


RENFREW DIST. SYSTEM
6,600 V.
RENFREW R.P.D.
33,000 V.
RENFREW
33,000 V.
CHATS FALLS CONSTRUCTION STATION.
ARNPRIOR RURAL SYSTEM
2,200 V.
BRAESIDE
CALABOGIE
5400 HORSEPOWER
33,000 V.
ARNPRIOR
GALETTA
1070 HORSEPOWER
2,200 V.
6,600 V.
CALABOGIE DIST. SYSTEM
11,000 V.
KINGDON MINE
11,000 V.
2,200 V.
CARP
ARNPRIOR R.P.D.
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
DISTRIBUTING STATIONS
STATIONS AND LINES IN SERVICE
STATIONS AND LINES NOT COMMISSION'S PROPERTY
EASTERN ONTARIO SYSTEM
MADAWASKA DISTRICT
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31. 1932
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

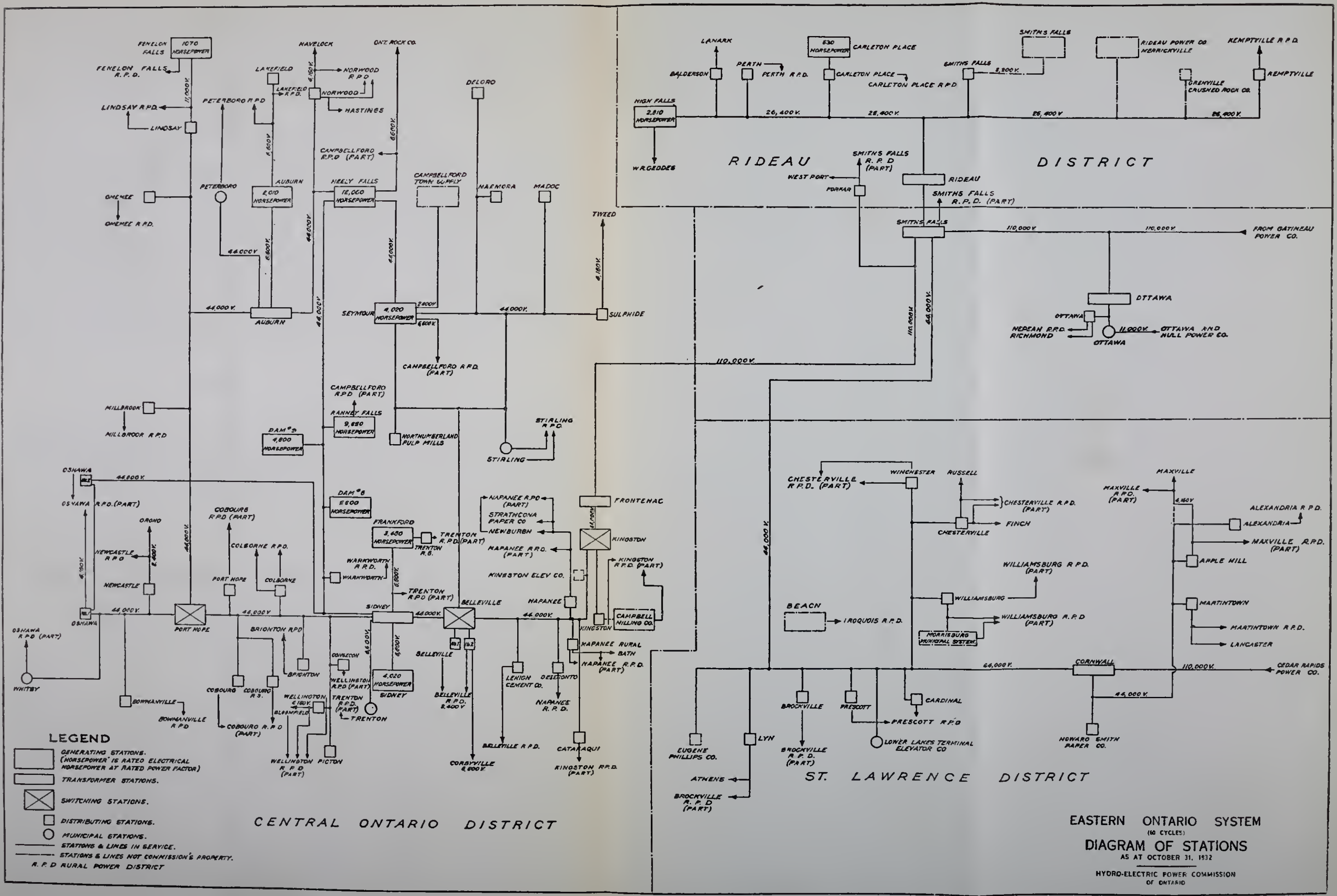
supply. This rearrangement temporarily reduced the station capacity, but not sufficiently to interfere with service. The damaged transformers have been satisfactorily repaired by the Commission's staff.

At Cornwall transformer station, the 110,000-volt electrolytic lightning arresters, and the 44,000-volt oil-breakers were overhauled. Repairs were also made to the 110,000-volt disconnecting switches. One 110,000-volt entrance bushing failed in service and was replaced. The brick work on the north, south and west walls of the station was repointed and part of the pier in the southwest corner of the building was rebuilt. General improvements were made to the appearance of the station site.

At Winchester distributing station, the 300-kv-a. transformer failed in service on May 5, and was returned to the manufacturer for repairs. This transformer was replaced by a 300-kv-a. reserve transformer from Smiths Falls transformer station. The 44,000-volt air-break switch was reinsulated with an improved type of insulator.

At Williamsburg distributing station, the 50-kv-a. transformer was replaced by a 100-kv-a. transformer on August 15.

At Martintown distributing station trouble was experienced due to the failures of the old type of high-tension transformer bushings. The transformer cover was rebored, and improved porcelain bushings were installed. The disconnecting switch was reinsulated with an improved type of insulator.


FENELON FALLS
1070 HORSEPOWER
FENELON FALLS R. P. D.
11,000 V.
LINDSAY R.P.D.
LINDSAY
OMEMEE
OMEMEE R.P.D.
MILLBROOK
MILLBROOK R.P.D
PETERBORO R.P.D
PETERBORO
44,000 V.
LAKEFIELD
LAKEFIELD R.P.D.
6,600 V.
AUBURN
2,010 HORSEPOWER
44,000 V.
AUBURN
HAVELOCK
4,160 V.
NORWOOD R.P.D
NORWOOD
HASTINGS
ONT. ROCK CO.
6600 V.
CAMPBELLFORD R.P.D (PART)
HEELY FALLS
12,060 HORSEPOWER
44,000 V.
CAMPBELLFORD TOWN SUPPLY
DELORO
MARMORA
MADOC
TWEED
4,160 V.
SULPHIDE
SEYMOUR
4,020 HORSEPOWER
2400 V.
6600 V.
44,000 V.
CAMPBELLFORD R.P.D. (PART)
CAMPBELLFORD R.P.D (PART)
RANNEY FALLS
9,650 HORSEPOWER
DAM #9
4,800 HORSEPOWER
NORTHUMBERLAND PULP MILLS
STIRLING R.P.D.
STIRLING
DAM #8
5600 HORSEPOWER
OSHAWA
OSHAWA R.P.D. (PART)
44,000 V.
4,160 V.
ORONO
NEWCASTLE R.P.D
2,400 V.
NEWCASTLE
OSHAWA
OSHAWA R.P.D (PART)
WHITBY
44,000 V.
BOWMANVILLE
BOWMANVILLE R.P.D
PORT HOPE
COBOURG R.P.D (PART)
COLBORNE R.P.D.
PORT HOPE
COLBORNE
44,000 V.
BRIGHTON R.P.D
BRIGHTON
COBOURG
COBOURG R.S.
COBOURG R.P.D (PART)
WELLINGTON 4160 V.
BLOOMFIELD
WELLINGTON R.P.D (PART)
PICTON
CONSECON
WELLINGTON R.P.D (PART)
TRENTON R.P.D. (PART)
TRENTON
FRANKFORD
3,480 HORSEPOWER
TRENTON R.P.D. (PART)
TRENTON R.S.
WARKWORTH R.P.D.
WARKWORTH
6,600 V.
TRENTON R.P.D (PART)
SIDNEY
44,000 V.
4,000 V.
4,020 HORSEPOWER
SIDNEY
BELLEVILLE
BELLEVILLE
BELLEVILLE R.P.D. 2,400 V.
BELLEVILLE R.P.D.
CORBYVILLE 6,600 V.
44,000 V.
LEHIGH CEMENT CO.
DESERONTO
NAPANEE R.P.D.
CATARAQUI
KINGSTON R.P.D (PART)
NAPANEE R.P.D (PART)
STRATHCONA PAPER CO
NEWBURGH
NAPANEE R.P.D. (PART)
KINGSTON ELEV CO.
NAPANEE
NAPANEE RURAL
BATH
NAPANEE R.P.D. (PART)
FRONTENAC
44,000 V.
KINGSTON
KINGSTON R.P.D. (PART)
KINGSTON
CAMPBELL MILLING CO.
110,000 V.
LEGEND
GENERATING STATIONS. ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS.
SWITCHING STATIONS.
DISTRIBUTING STATIONS.
MUNICIPAL STATIONS.
STATIONS & LINES IN SERVICE.
STATIONS & LINES NOT COMMISSION'S PROPERTY.
R. P. D RURAL POWER DISTRICT
CENTRAL ONTARIO DISTRICT
LANARK
BALDERSON
PERTH
PERTH R.P.D.
530 HORSEPOWER
CARLETON PLACE
CARLETON PLACE
CARLETON PLACE R.P.D
SMITHS FALLS
SMITHS FALLS
2,300 V.
RIDEAU POWER CO MERRICKVILLE
KEMPTVILLE R.P.D.
KEMPTVILLE
GRENVILLE CRUSHED ROCK CO.
HIGH FALLS
2,810 HORSEPOWER
26,400 V.
26,400 V.
26,400 V.
26,400 V.
W.R.GEDDES
RIDEAU DISTRICT
SMITHS FALLS R.P.D (PART)
WEST PORT
FORFAR
RIDEAU
SMITHS FALLS R.P.D. (PART)
SMITHS FALLS
110,000 V.
110,000 V.
FROM GATINEAU POWER CO.
110,000 V.
44,000 V.
OTTAWA
OTTAWA
NEPEAN R.P.D.
RICHMOND
OTTAWA
11,000 V.
OTTAWA AND HULL POWER CO.
CHESTERVILLE R.P.D. (PART)
WINCHESTER
RUSSELL
CHESTERVILLE R.P.D. (PART)
CHESTERVILLE
FINCH
WILLIAMSBURG R.P.D. (PART)
WILLIAMSBURG
WILLIAMSBURG R.P.D (PART)
MORRISBURG MUNICIPAL SYSTEM
BEACH
IROQUOIS R.P.D.
44,000 V.
MAXVILLE
MAXVILLE R.P.D. (PART)
4,160 V
ALEXANDRIA R.P.D.
ALEXANDRIA
MAXVILLE R.P.D. (PART)
APPLE HILL
MARTINTOWN
MARTINTOWN R.P.D.
LANCASTER
64,000 V.
CORNWALL
110,000 V.
CEDAR RAPIDS POWER CO.
44,000 V.
HOWARD SMITH PAPER CO.
CARDINAL
PRESCOTT R.P.D
LOWER LAKES TERMINAL ELEVATOR CO
BROCKVILLE
PRESCOTT
BROCKVILLE R.P.D. (PART)
EUGENE PHILLIPS CO.
LYN
ATHENS
BROCKVILLE R.P.D (PART)
ST. LAWRENCE DISTRICT

EASTERN ONTARIO SYSTEM

(60 CYCLES)

DIAGRAM OF STATIONS

AS AT OCTOBER 31, 1932

HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

At Cardinal distributing station, two defective high-tension bushings were replaced in the 300-kv-a. transformer.

The temporary transformer station at Chats Falls, which was built for the purpose of supplying power from the Madawaska district during the construction of the Chats Falls 25-cycle development, was taken out of service on October 17.

High-voltage Transmission Lines

The usual routine inspection and maintenance of high-voltage transmission lines was actively carried out in the various districts during the year. A number of highway, railway and foreign wire crossings were rebuilt to conform with present-day requirements. Approximately ten thousand poles were inspected, of which over twelve hundred were found defective and were stubbed. A number of poles were relocated in various districts due to highway changes and improvements. Approximately forty thousand pin-type insulators were inspected and over two thousand defective units were replaced. The usual programme of tree trimming was carried out. A second 44,000-volt line was built between Auburn switching station and Peterborough municipal station by the Peterborough Public Utilities Commission.

Meter Department and Repair Shops

The Belleville machine and meter repair shop has continued the usual programme of testing and repair of service meters for municipal and rural systems. There were approximately thirty-six hundred meters adjusted and repaired and thirteen hundred new meters handled by this department during the year. A certain amount of work was also carried out in connection with repairs and replacement parts for hydraulic and electrical equipment.

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1930-1931-1932

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Alexandria	260.9	184.5	212.9		28.4
Apple Hill	27.5	28.0	30.1		2.1
Athens	87.9	74.2	82.4		8.2
Belleville	3,539.7	3,687.5	3,701.4		13.9
Bloomfield	121.0	87.8	73.4	14.4	
Bowmanville	1,766.4	1,551.4	1,546.2	5.2	
Brighton	274.2	284.8	270.7	14.1	
Brockville	2,220.2	2,271.2	2,380.1		108.9
Cardinal	112.6	131.3	139.7		8.4
Carleton Place	843.1	848.5	966.5		118.0
Chesterville	198.4	197.7	191.1	6.6	
Cobourg	1,383.0	1,468.6	1,424.7	43.9	
Colborne	190.6	182.3	163.6	18.7	
Deseronto	181.3	146.8	148.6		1.8
Finch	50.0	38.9	42.3		3.4

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1930-1831-1932—Con.

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Hastings		73.7	65.2	8.5	
Havelock	228.5	227.9	175.6	52.3	
Kemptville	241.3	241.9	241.3	0.6	
Kingston	4,451.8	4,580.0	5,105.2		525.2
Lakefield	225.6	227.7	209.7	18.0	
Lanark	61.6	61.8	64.7		2.9
Lancaster	67.4	62.9	33.6	29.3	
Lindsay	1,662.3	1,718.9	1,564.5	154.4	
Madoc	168.9	165.7	153.6	12.1	
Marmora	87.6	89.2	85.8	3.4	
Martintown	27.5	26.1	21.5	4.6	
Maxville	58.0	72.6	80.4		7.8
Millbrook	85.6	68.9	79.6		10.7
Napanee	1,009.8	1,015.2	935.2	80.0	
Newburgh	45.5	41.0	42.6		1.6
Newcastle	82.0	82.5	64.2	18.3	
Norwood	168.7	135.3	116.3	19.0	
Omemee	74.4	76.6	77.4		0.8
Orono	60.9	58.5	78.3		19.8
Oshawa	8,706.4	7,369.9	6,494.6	875.3	
Ottawa	23,597.0	24,841.8	25,758.6		916.8
Perth	891.4	1,069.1	1,038.9	30.2	
Peterborough	6,400.2	6,158.4	6,011.4	147.0	
Picton	804.3	887.4	871.6	15.8	
Port Hope	1,331.6	1,108.0	1,081.9	26.1	
Prescott	882.5	815.5	770.8	44.7	
Richmond	49.0	39.4	45.9		6.5
Russell	72.4	57.9	42.6	15.3	
Smiths Falls	1,615.3	1,597.9	1,509.3	88.6	
Stirling	252.5	265.1	239.9	25.2	
Trenton	2,731.6	2,874.1	2,745.4	128.7	
Tweed	197.0	189.9	169.2	20.7	
Warkworth	69.9	75.8	67.7	8.1	
Wellington	201.0	205.9	191.7	14.2	
Whitby	1,020.1	1,028.5	1,009.4	19.1	
Williamsburg	37.3	69.7	142.1		72.4
Winchester	212.3	216.4	235.7		19.3

EASTERN ONTARIO SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	Oct. 1932	Decrease	Increase
Bath	Nov. 4, 1931	20.6	23.4		2.8
Westport	Nov. 14, 1931	59.2	65.1		5.9

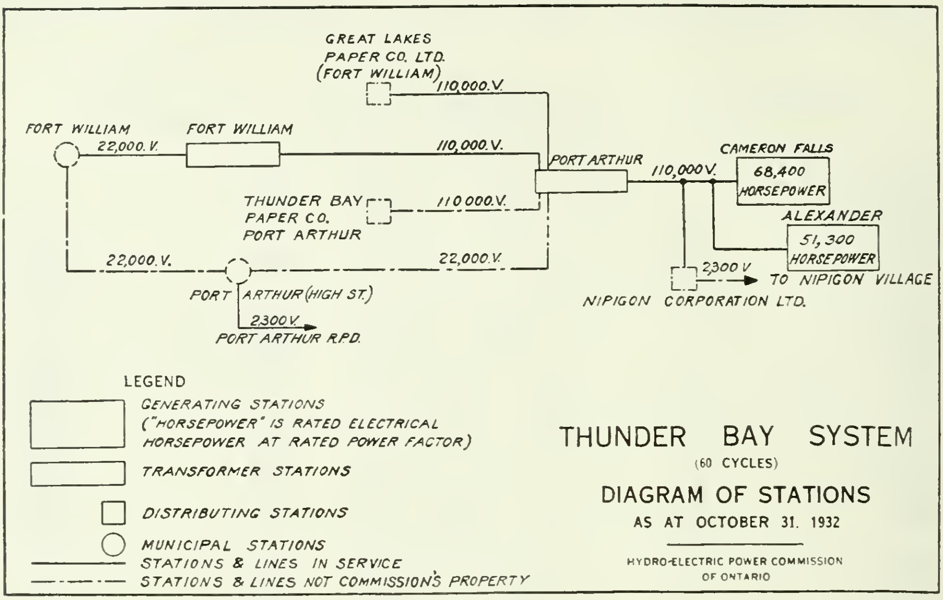
EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS, 1930-1931-1932

Rural power district	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Alexandria	15.2	25.0	30.4	....	5.4
Belleville	240.4	281.6	304.0	....	22.4
Bowmanville	56.7	160.4	97.3	63.1	....
Brighton	14.0	16.8	22.8	....	6.0
Brockville	406.3	269.0	288.1	....	19.1
Campbellford	54.7	58.9	67.3	....	8.4
Chesterville	104.4	184.5	186.2	....	1.7
Cobourg	122.3	220.3	242.9	....	22.6
Colborne	67.0	77.0	94.2	....	17.2
Fenelon Falls	....	20.0	47.2	....	27.2
Iroquois	375.0	415.5	445.0	....	29.5
Kemptville	....	13.4	18.1	....	4.7
Kingston	151.3	265.7	296.2	....	30.5
Lakefield	1.0	10.0	32.7	....	22.7
Lindsay	0.0	4.0	10.0	....	6.0
Martintown	46.5	62.5	53.4	9.1	....
Maxville	91.1	118.4	156.0	....	37.6
Millbrook	27.0	31.9	34.3	....	2.4
Napanee	103.4	145.8	177.2	....	31.4
Nepean	450.3	563.8	624.3	....	61.5
Newcastle	47.1	61.7	72.6	....	10.9
Norwood	9.7	21.0	27.9	....	6.9
Omemee	....	3.0	3.0	....	....
Oshawa	372.6	667.1	677.0	....	9.9
Perth	....	3.0	21.4	....	17.4
Peterborough	434.3	476.4	420.4	56.0	....
Prescott	85.3	92.0	109.8	....	17.8
Smiths Falls	137.3	211.0	48.1	....	1.9
Stirling	26.3	46.2	151.8	59.2	....
Trenton	12.4	139.0	127.5	11.5	....
Warkworth	2.5	3.0	3.0	....	....
Wellington	108.8	169.7	194.6	....	24.9
Williamsburg	20.6	32.8	52.8	....	20.0

THUNDER BAY SYSTEM

The load on the Thunder Bay system during the past fiscal year has shown a slight decrease from that existing during the previous year, the average monthly energy generated being about 0.7 per cent less and the average monthly peak being about 3.1 per cent less during 1932 than in 1931. There has been no restriction of power supply to any customers on this system. The Nipigon Corporation pulp mill at Nipigon has not been operating during the year, but the station has been maintained alive, Nipigon township being supplied from this point.

Considerable hydraulic maintenance work has been carried on at Cameron falls generating station during the year, the major item being the repairing of the eroded areas of No. 3 turbine by welding the runner in place. Special atten-

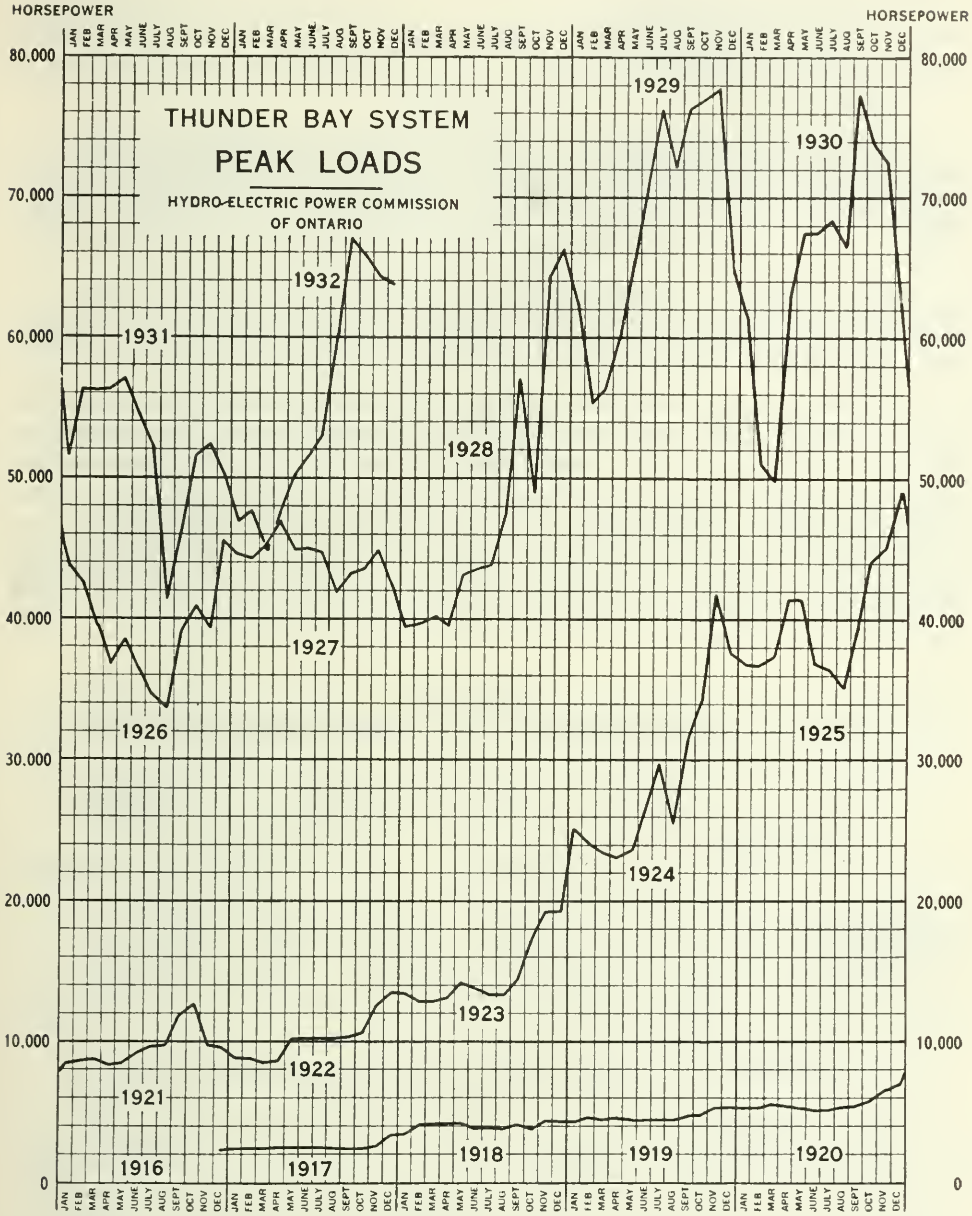

GREAT LAKES PAPER CO. LTD. (FORT WILLIAM)
110,000 V.
FORT WILLIAM
22,000 V.
FORT WILLIAM
110,000 V.
PORT ARTHUR
110,000 V.
CAMERON FALLS
68,400 HORSEPOWER
THUNDER BAY PAPER CO. PORT ARTHUR
110,000 V.
ALEXANDER
51,300 HORSEPOWER
22,000 V.
22,000 V.
2300 V
TO NIPIGON VILLAGE
NIPIGON CORPORATION LTD.
PORT ARTHUR (HIGH ST.)
2300 V.
PORT ARTHUR R.P.D.
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
THUNDER BAY SYSTEM
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31. 1932
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

tion was paid to the testing and adjustment of the governors. The operation of No. 6 governor was improved by the installation of a new type flyball head. The auxiliary hydraulic equipment has been maintained in first-class condition.

No. 1 generator at Cameron falls generating station, which was dismantled for cleaning and repairs during the latter part of the previous year, was reassembled and returned to service. All power transformers at this station have operated satisfactorily, routine maintenance work only being required.

Alexander generating station has given very satisfactory operating service, there being no major maintenance required on any equipment throughout the year. A new permanent magnet generator was installed on No. 2 unit. This is used to supply energy to the governor flyball head, replacing the pilot exciter source as formerly used. This new generator has given very satisfactory service to date. This station is now remote controlled from Cameron Falls generating station, the supervisory equipment having been placed in service about the middle of the year. While a few troubles have been encountered with this control equipment, on the whole its operation has been very satisfactory. In connection with this supervisory control the use of an automatic synchronizer, for synchronizing the generators at Alexander generating station with this system, might be mentioned, as it is the first of this type of equipment to be used in any of the Commission's stations. No faulty operations have been experienced with the device.

The service obtained from the transmission line during the year has been very good. There have been three total system interruptions, two for one minute each due to flashovers, involving two lines with the third line out of service, and one of two minutes' duration due to line trouble during a heavy snowstorm. In addition to the above, logs being blown into the line during blasting operations on a new highway accounted for a major outage to Nipigon



Corporation station, a flashover during an electrical storm was responsible for another interruption to this customer, while a third was caused by line trouble during the above snowstorm.

In co-operation with the Department of Highways about seventeen hundred feet of 110,000-volt wood-pole line was moved to one side in order to clear the right-of-way for the new highway at Pearl lake. Special attention has been given to testing the line insulators and replacing those found faulty. A number of twin-pole dead-end structures of No. 1 line were removed and replaced by standard single poles. Some other maintenance work has also been done on the wood-pole lines in tightening guys, etc. Brush was cut along certain sections of the right-of-way.

The Port Arthur transformer station has had no curtailment of service to any customer due to failures of equipment. The relay and breaker equipment has operated correctly during the year. The 110,000-volt oil-breakers at this station were all given a complete overhaul and are now in good operating condition.

The Fort William transformer station also has had no failure of equipment or incorrect functioning of relays or breakers. Routine maintenance work only was required at this station.

The precipitation in the watershed supplying this system has been relatively heavy during the year, being the greatest recorded since the system commenced operation twelve years ago. During the first few months of the year the two generating stations were operated in such a way as to conserve the largest amount of water. With the light load on the system and the heavy precipitation it was found necessary to waste a considerable amount of water at both plants during the remainder of the year in order to prevent the elevation of Lake Nipigon from rising unduly. In spite of the high flow, the level of Lake Nipigon has been raised about a foot during the year.

THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES, 1930-1931-1932

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Fort William	10,596.5	11,451.7	10,916.7	535.0	....
Nipigon Township	65.7	70.3	83.0	....	12.7
Port Arthur	38,619.4	27,024.4	35,195.1	....	8,170.7

THUNDER BAY SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct. 1932	Decrease	Increase
Fort William	Oct. 1, 1932	35.0	35.0	....	....
Port Arthur	Jan. 23, 1932	7.5	23.7	....	16.2

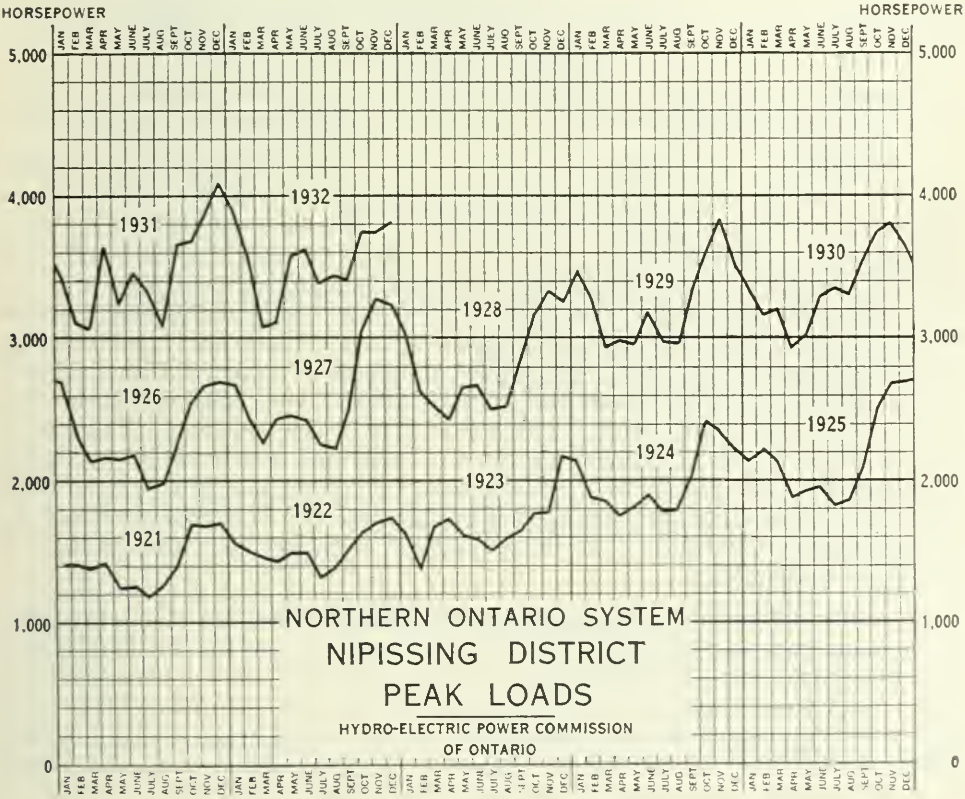
NORTHERN ONTARIO SYSTEM

Nipissing District

The generated peak and average loads on this district show very little change from last year, being higher for some months than for the corresponding months of the previous year, and lower for other months. Over the entire year a slight increase in both peak and average generated loads is shown.

The autumn of 1931 marked the termination of a three-year period of sub-normal precipitation and river flow on the district. During that period persistent efforts were made to improve and enlarge storage facilities, and this policy has been continued throughout the current year. As a result, more advantage was derived from the increased precipitation of the current year than would otherwise have been the case, and the quantity of water stored for future use is now higher than at any previous time.

Maintenance work was carried out and improvements were made on the various line sections in the district. On the 22,000-volt line between Nipissing generating station and Bingham Chute junction approximately twenty-five per cent of the old poles were replaced. Between Bingham Chute junction and



Callander the old No. 9 iron telephone wire, which has served its useful life, was replaced for a distance of five and one-half miles with No. 6 aluminum cable steel reinforced conductor. Relocation and adjustment of lines paralleling the highway was found necessary at several points to accommodate improvements to the Ferguson highway. Several small details required to complete the Sturgeon Falls-North Bay tie line were undertaken. The obsolete operating mechanisms on the air-break switches at North Bay Z4 sub-station, Bingham Chute junction and Elliott Chute junction were replaced with up-to-date mechanisms. Conditions at all points where the Commission's circuits cross railroads, highways and foreign circuits, were investigated with a view to bringing these crossings up to the Commission's standard. Insulator testing and grading was carried out on the main sections of line.

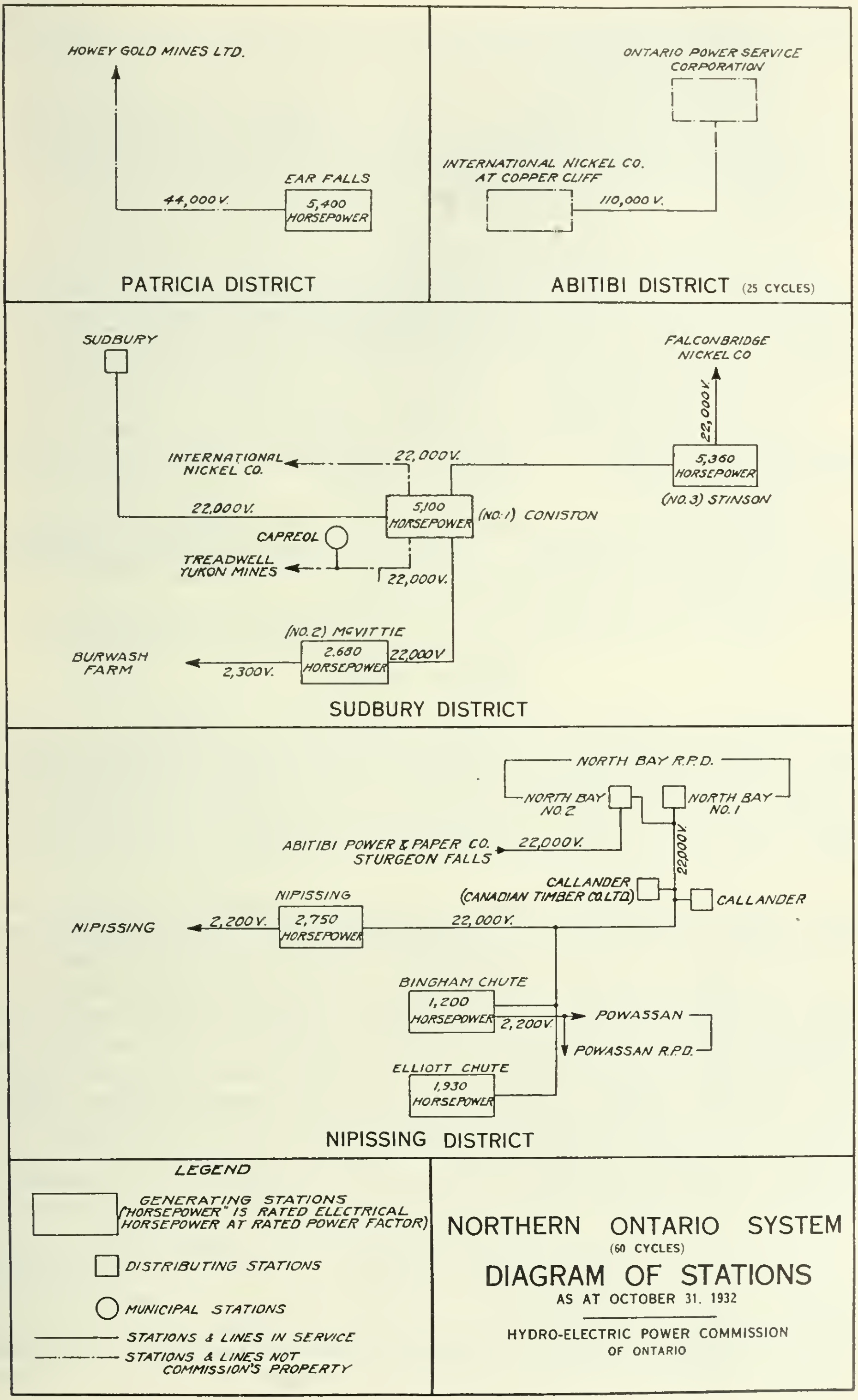
At Nipissing generating station approximately three hundred feet of the seven-foot diameter wood-stave pipe line was found to have settled an average of about six inches below its original grade line. Settling was attributed to the lack of natural drainage of the soil on which this section of pipe line was bedded. To prevent further settling of this nature, drainage ditches totalling thirteen hundred and thirty-four feet in length were dug, and three hundred feet of tile drain was laid. The entire surface of this pipe line was brush-treated with creosote as a preservative measure.

On inspection of the two turbines at this station it was found that erosion of the buckets on the cast-iron runners of both units had progressed to such an extent as to make satisfactory and economical repairs by welding impossible. An order for two new Niagara bronze runners of improved design has been placed, and these will be installed as soon as delivery is obtained.

General maintenance work was carried out at this station, including repairs to station roof, painting of surge tank housing, improvement of grounds, etc.

At Bingham Chute station the upstream face of the side dam was rip-rapped for about four feet above normal water level to prevent erosion. Eighty-seven cubic yards of rock were used in this work. The annual mechanical inspection showed that no major repairs or adjustments were required. In line with the general policy of annual improvement of station and grounds the following work was undertaken: chimneys of two operators' cottages were rebuilt, cement walks from cottages to highway were laid, drinking water was piped into the generating station from one of the operator's cottages, the road from the generating station to the highway was gravelled, the grounds around the outdoor transformer structure were improved, and painting was done where required. The entire surface of the eight-foot diameter wood-stave pipe line was brush-treated with a preservative coat of creosote. A long-distance voltage recorder was installed for registering at Bingham Chute generating station the low-tension voltage at the North Bay Z9 sub-station, utilizing the Commission's private telephone circuit for transmission.

At Elliott Chute generating station the rip-rap on the face of the east end of the main dam was extended in order to protect from erosion portions of the dam not previously rip-rapped. Seventy-two cubic yards of rock were used for this work. In accordance with agreements with the various townships, roads that were constructed by the Commission to take the place of township roads which were flooded by the Elliott Chute development, were repaired. These roads have now been accepted by the townships and the Commission's obligations


HOWEY GOLD MINES LTD.
44,000 V.
EAR FALLS
5,400 HORSEPOWER
PATRICIA DISTRICT
ONTARIO POWER SERVICE CORPORATION
INTERNATIONAL NICKEL CO. AT COPPER CLIFF
110,000 V.
ABITIBI DISTRICT (25 CYCLES)
SUDBURY
FALCONBRIDGE NICKEL CO
22,000 V.
INTERNATIONAL NICKEL CO.
22,000 V.
5,360 HORSEPOWER
(NO. 3) STINSON
22,000 V.
5,100 HORSEPOWER
(NO. 1) CONISTON
CAPREOL
TREADWELL YUKON MINES
22,000 V.
(NO. 2) McVITTIE
BURWASH FARM
2,300 V.
2,680 HORSEPOWER
22,000 V
SUDBURY DISTRICT
NORTH BAY R.P.D.
NORTH BAY NO. 2
NORTH BAY NO. 1
ABITIBI POWER & PAPER CO. STURGEON FALLS
22,000 V.
22,000 V.
CALLANDER (CANADIAN TIMBER CO. LTD.)
CALLANDER
NIPISSING
NIPISSING
2,200 V.
2,750 HORSEPOWER
22,000 V.
BINGHAM CHUTE
1,200 HORSEPOWER
2,200 V.
POWASSAN
POWASSAN R.P.D.
ELLIOTT CHUTE
1,930 HORSEPOWER
NIPISSING DISTRICT
LEGEND
GENERATING STATIONS ("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY

NORTHERN ONTARIO SYSTEM
(60 CYCLES)

DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1932

HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

in this connection have been terminated. Mechanical inspection of turbines and equipment showed that no major repairs or adjustments were necessary.

Owing to the development of a leak in the earth-fill dam at this station it was found necessary to continue the sheet-steel piling to the rock outcrop at the shore end, a distance of approximately one hundred feet. Piling was driven to a depth of thirty-seven feet in some locations. Cave-ins on the downstream side resulting from the leak were filled in and more adequate drainage was provided.

In the village of Callander a new outdoor type step-down transformer station, to supply power to the mill of the Canadian Timber Company Limited, was placed in service on July 1. Three 50-kv-a. transformers step the voltage down from 22,000 to 550, and the 550-volt leads are carried into the customer's mill. A short tap line was required to connect the new station with the 22,000-volt Callander to North Bay line.

At the Z9 sub-station in North Bay extensive repairs to the roof were required. At Z4 sub-station in North Bay improvements to the station grounding were undertaken.

Periodic tests on insulating oils from all transformers and oil circuit-breakers on the district were conducted. The oils in power transformers at Bingham Chute generating station and North Bay Z9 sub-station were filtered as test results showed such treatment to be necessary.

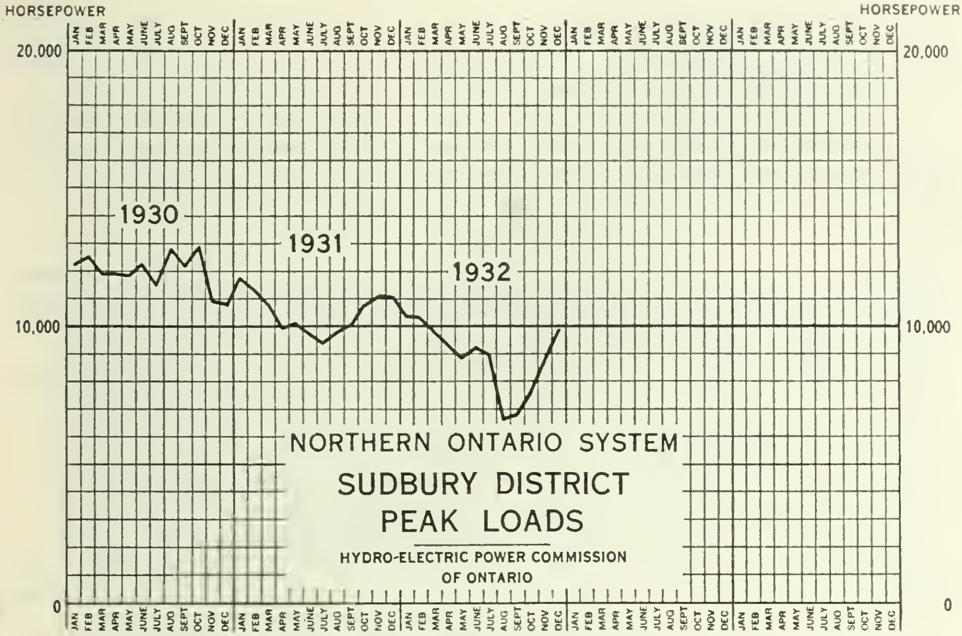
Sudbury District

A general decrease in load has been experienced in this district during the year. A very small portion of this decrease is due to reduced domestic consumption, the major portion being due to the lessened activities of most of the industrial customers in the mining and smelting industry. As a large portion of the decrease is paid for under the minimum clauses of the power contracts, revenues have not been as adversely affected as load conditions would indicate.

Owing to favourable precipitation, storage and river-flow conditions throughout the year were excellent. All storage dams being in good condition, only minor maintenance details and preservative measures were found necessary.

To eliminate damage to poles from river debris during flood periods, 1.4 miles of the 22,000-volt tie line between McVittie generating station and Coniston generating station were removed to a shorter and better route. Previously the poles were situated on the river's edge. All insulators on this line were tested and all defective insulators, cross-arms, poles and guys were replaced. Right-of-ways of all lines were cleared of brush and new growth where necessary. All poles on the 22,000-volt line between Stinson generating station and Coniston generating station were treated at the butts with creosote as a preservative measure.

At Coniston generating station the timber and masonry headrace was unwatered, the timber section was resheeted and the masonry section repointed where the original pointing had become defective due to ice conditions. The headrace concrete floor between trash rack and head gates was relaid, as the original flooring had broken up and some of the stone had been carried down the steel-pipe lines to the turbines. New stop logs were purchased for the head-



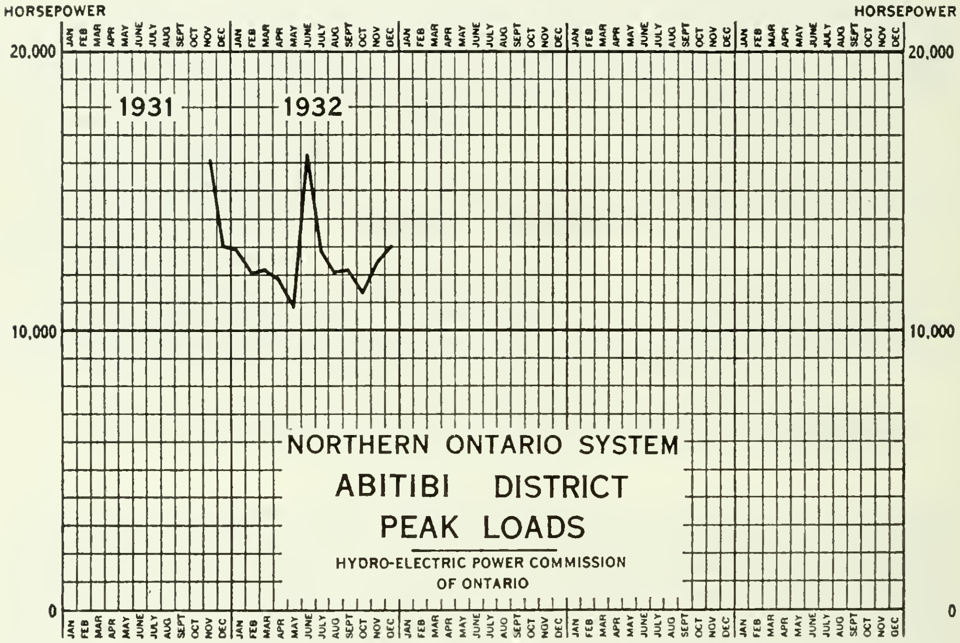
The above graph shows the load of the Sudbury district alone; the load of the Abitibi district being shown in a separate graph. In last year's Annual Report the load graph showed the combined load of the Sudbury and Abitibi districts for October, November and December, 1931

race gates. On the No. 3 turbine four cracked guide vanes were repaired by welding; the lignum-vitae governor shaft bearing was renewed, and other repairs of a minor nature were carried out. On the No. 1 and No. 2 units only minor repairs and adjustments were required. Painting was carried out where required. The relation between headwater and tailwater was checked, staff gauges were installed in headrace and tailrace and permanent bench marks for checking the staff gauges were placed.

At McVittie generating station the wooden deck of the concrete main dam was renewed, the stop-log gains were repaired, loose concrete in the headworks was removed and replaced with new concrete, and the trash racks were rehabilitated. At the timber-crib wing dam a large amount of stone was placed in front of No. 1 pier, the gravel fill along the upstream side was increased, and the fill was then paved with stone to prevent the gravel being carried downstream during flood periods. Seven coils of the No. 1 No. 1,250-kv-a. generator, which were damaged by lightning, were replaced with new coils. Several defective mica bars in the commutator of the No. 1 exciter, were replaced. The lignum-vitae bearings in both turbines were renewed. Steel-pipe lines and turbine cases were painted as a protective measure. Other painting was undertaken where required. Only minor mechanical repairs and adjustments were found necessary on the turbines. Reshingling, and other smaller items of maintenance to the boarding-house and superintendent's house were undertaken.

At Stinson generating station all cracks in the concrete dam and headworks were filled with a plastic sealing compound to prevent further damage from frost action. A frequency meter was installed and a defective power factor meter replaced. The inability completely to shut down the two units by turbine gate closure was investigated and remedial measures are now being carried out. The boat-house and ice-house were sheeted outside with clap boards, and these and one of the operator's cottages were painted.

Grounding was investigated at all stations on the district and improvements carried out where found necessary. At each of the three generating stations, electric sirens were installed to enable the operator to call assistants in case of emergency.



The peak load occurring in October, 1931, the first month of operation, has not been included in graph as it was created by tests on the equipment and not by the delivery of commercial power

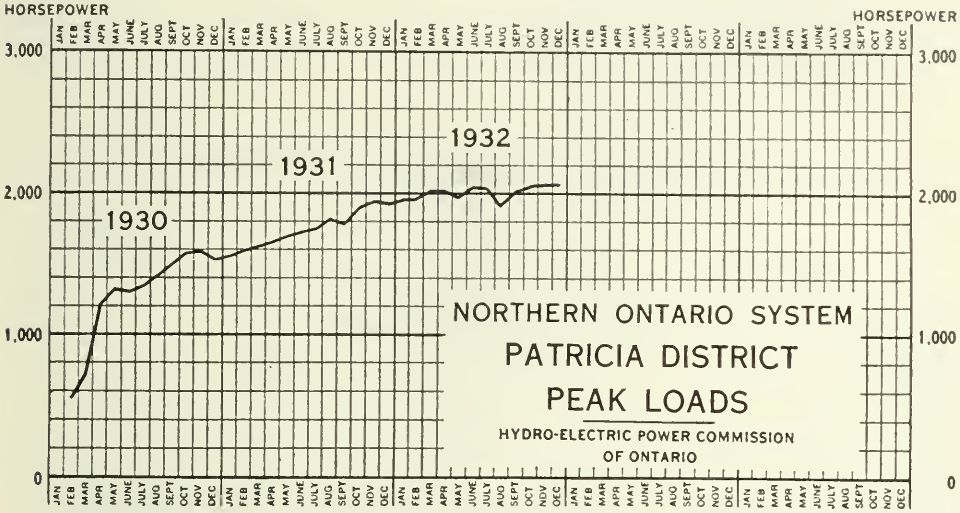
Abitibi District

The operation of the 189 miles of 110,000-volt steel-tower line between Hunta and Copper Cliff was satisfactory throughout the year. Up to the end of the fiscal year, this line comprises all of the Commission's property in this district.

All steel towers on the line were carefully inspected and all loose bolts tightened. Conductors, vibration absorbers and ground wire were inspected for defects at several towers on each patrol beat.

Patrol trails were cleared where necessary, and some tree trimming along the right-of-way was undertaken for the protection of the circuits. Some work was done on the patrolmen's living quarters to make them suitable for permanent occupation; in most cases they are situated in more or less isolated localities along the line.

Tests were made on the telephone circuit, and improvements effected in the ringing facilities.



Patricia District

The generating and transformer station at Ear Falls on the English river has been in satisfactory operation throughout the year. All equipment has functioned as required, there being no failure of major importance. The load on the system has shown an increase over that existing during the previous year, the average monthly energy generated being about 29 per cent greater and the average monthly peak being about 17 per cent greater during 1932 than in 1931.

There has been only one interruption to service during the year, it being necessary to shut down the generator due to flashing at the upper collector ring. The ring was rubbed down, a new set of brushes installed and service restored after one hour and fifty-three minutes.

A small amount of maintenance work has been carried out on the major equipment during pre-arranged plant shut-downs. Permanent repairs were effected on the damaged collector ring and exciter. The turbine operating mechanism, governor system and auxiliary mechanical equipment have been inspected and overhauled where needed.

The 44,000-volt transmission line between the generating station and the Howey gold mine, which is owned by the Howey Gold Mines Limited, has been operated and maintained for them throughout the year under the same arrangement as in previous years. This transmission circuit has functioned perfectly during the year and has not been responsible for any interruption to service. Patrol and other work has been carried out along this transmission line throughout the year.

As required by the Lake-of-the-Woods Control Board the flow in the English river has been adjusted from time to time by means of the regulating dam at Ear Falls.

The precipitation in the vicinity of Ear Falls has been relatively low, approximating only nineteen inches during the year. Due to this low precipitation and a relatively high river flow, the level of LacSeul has been lowered approximately one foot during the year.

NIPISSING DISTRICT—LOADS OF MUNICIPALITIES—1930-1931-1932

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Callander	110.7	112.8	175.0	....	62.2
Nipissing	3.0	3.0	3.0	....	....
North Bay	3,111.2	2,921.8	2,915.0	6.8	....
Powassan	95.1	117.7	131.0	....	13.3

NIPISSING DISTRICT—RURAL POWER DISTRICT LOADS—1930-1931-1932

Rural power district	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
North Bay	69.7	68.3	77.0	....	8.7

NIPISSING DISTRICT—NEW RURAL POWER DISTRICT LOADS

Name	Date Connected	Load in horsepower		Decrease	Increase
		Initial	Oct. 1932		
Powassan	Nov. 1, 1931	2.0	2.0	....	....

SUDBURY DISTRICT—LOADS OF MUNICIPALITIES—1930-1931-1932

Municipality	Peak load in horsepower			Change in load 1931-1932	
	Oct. 1930	Oct. 1931	Oct. 1932	Decrease	Increase
Sudbury	3,799.0	3,967.8	3,667.5	300.3	....

SECTION III

MUNICIPAL WORK

The Commission acts in an advisory capacity in connection with the operation of the "Hydro" utilities of the various municipalities with which it has contracts. In this connection the Commission arranges for the purchase, construction or extension of distribution systems and assists the municipal officials in making their financial arrangements to pay for the cost of these systems. All rate adjustments, as provided under *The Power Commission Act*, are recommended by the Commission, and a study of the operating conditions of all utilities is made annually and adjustments recommended accordingly. The Commission exercises a general supervision over the management and operation of all systems more especially in the smaller municipalities which, individually, are not of sufficient size to employ a manager with the technical knowledge necessary to administer properly all phases of the local system's operation.

In the case of the rural power districts, the Commission itself—on behalf of the corporations of the individual townships—operates the rural power systems, and distributes electrical energy to the customers of the respective corporations in any such rural power district.

NIAGARA SYSTEM

The development at Chats Falls, constructed jointly by the Commission and the Ottawa Valley Power Company, which was recorded last year as having been put into operation in the latter part of 1931, was completed during 1932. In the Ontario portion of the generating station two 23,500-kv-a. generating units were put into service in October, 1931, and two additional units have been installed and put into service during 1932. A corresponding installation was made in the Quebec portion of the station. A new 220,000-volt transmission line was constructed during the year from the interprovincial boundary near Beaudet to Chats Falls generating station and placed in operation during the month of October, 1932. This line, together with the transmission lines already constructed from Chats Falls to Leaside, will deliver to the Niagara system the power obtained from the Beauharnois Light Heat and Power Company.

The load conditions on the Niagara system up to the month of August, 1932, continued to show reduction in the amount of power taken as compared with the previous year, but during the later months of the year there was some increase in load as compared with the load for the corresponding months of 1931. The loads on the systems of the Commission are referred to more fully in Section II of this report.

Dominion Power and Transmission Properties

Progress has been made in connection with the properties formerly owned by the Dominion Power & Transmission Company, which Company, with subsidiaries, was purchased by the Commission in 1930. During the year 1932 the distribution system, substations and other properties of this Company situated in the city of Hamilton were sold to the Hamilton Hydro-Electric System, for $2,125,000 and the system in the city of Brantford was sold to the Brantford Hydro-Electric System for the sum of $200,000. Negotiations are being carried on with the St. Catharines Public Utilities Commission for the purchase by it of the subsidiary company in that city. Arrangements have been made for transferring the rural distribution lines of the Dominion Power & Transmission Company to the Hydro rural power districts already established in this general area.

Interruptible Off-Peak Power

Although the Niagara System of the Commission has a high load-factor it has, of course, daily and seasonal peaks, thus there are periods of the day and of the year when large amounts of surplus "off-peak" power are available. When "off-peak" power is sold with the stipulation that the supply may be interrupted at the will of the vendor, it is termed "at will" or "interruptible" power. "Off-peak" power, however, on account of the uncertainty of the times and durations of the system peaks, is not sufficiently dependable for ordinary industrial uses. A limited amount of such power can be utilized by large special industries in certain heating and electro-chemical processes. Although Canadian consumers are at all times given priority of consideration, the chief market for the "at-will" or "interruptible" power which the Commission has had at its disposal on the Niagara system has hitherto been in adjacent territory in the United States served by supply systems securing a large proportion of their power from steam plants. Such systems, by utilizing, when available, this interruptible off-peak power can conserve their fuel supplies. The sale of this power to the Canadian Niagara Power Company for use in the United States has enabled the Commission to employ profitably its generating equipment at times when not required to take care of the demands of the Niagara system. During the past year, however, owing to economic conditions, there has been no market in the adjacent United States territory for "at-will" power.

Surplus Power can be Profitably Employed for Steam Generation

Owing to the decrease in the growth of load on the Niagara system due to the curtailment of activity by many large consumers of power, the Commission at the present time has a surplus of power in the Niagara system. Arrangements are being made to dispose of some of the surplus power on an "at-will" basis to large industries in Ontario for special purposes, among which is the production of steam through electric-steam boilers. These arrangements will continue until the power is required for the normal uses of the municipalities. It is to be noted that power sold for these special purposes replaces imported coal.

Engineering Assistance to Municipalities

General engineering assistance was given during the year to practically all of the municipalities in the Niagara system, by a general supervision of management and operation.

Estimates and work in connection with the rebuilding of distribution systems to take care of various conditions was undertaken during the year and additional transformer capacity provided where necessary in the following places:—Agincourt, Amherstburg, Aylmer, Blenheim, Clifford, Chatham, Dashwood, Drayton, Dresden, Exeter, Fergus, Goderich, Harrow, Highgate, Markham, Otterville, Preston, Ridgetown, Rodney, St. Marys, Springfield, Tilbury, Wallaceburg and Wellesley.

Certain municipalities received special engineering advice and assistance regarding a number of matters, which are more fully referred to as follows:

Arkona—The local distribution system was changed from 4,000 to 8,000 volts in order to improve the service and provide for future increase in load.

Beachville—Increased use of appliances by domestic consumers necessitated the rebuilding of the greater portion of the distribution system. The work was undertaken by the staff of the Woodstock rural power district under the direction of the Commission's engineers.

Bridgeport—On the completion of the new substation north of Waterloo, Bridgeport was served from this source instead of from the lines of the Kitchener Public Utilities Commission.

Forest—A new outdoor-type substation was constructed to replace the indoor substation which was destroyed by fire early in the year. In this substation were installed three 75-kv-a. transformers to step up from 4,000 to 8,000 volts to supply the village of Thedford and Arkona as well as the Forest rural power district.

Norwich—The Norwich substation was redesigned and changes were made to the distribution system. These changes included the installation of an underground feeder from the station.

Scarboro Township—A new substation was erected at West Hill and for the area east of Scarboro village, the distribution circuits in the eastern end of the township were rearranged to take service from this new station.

Strathroy—A new municipal substation of 1,500 kilowatt capacity has been erected this year. The feeder capacity of the distribution system has been increased.

Streetsville—Estimates were submitted to the Council of the village covering the cost of rebuilding the distribution system to make it suitable for a supply of power from the Niagara system. Assistance was given to the village in preparing enabling and money by-laws.

Thedford—The distribution system was changed, and the voltage of supply raised from 4,000 to 8,000 volts. This is to provide improved service to the present consumers and permit of the supplying of an additional load of 90 horsepower to a celery cold storage plant.

Tillsonburg—The ornamental street lighting system, consisting of forty-eight 500-watt multiple lamps in ornamental standards fed by an underground system, was completed and put in operation.

GEORGIAN BAY SYSTEM

Very little change occurred in the power demands of this system during the year and the average energy consumption and maximum peaks in the various municipalities remained practically constant with conditions which prevailed during the previous year. There was, however, considerable expansion in the rural power districts, both in the summer resort sections and in the farming and hamlet communities. This activity in the rural districts is accountable for the slight increase in the system demand over the previous year.

The properties of The Mildmay Electric Light Company serving the village of Mildmay, and The Formosa Electric Light Company serving the hamlet of Formosa and adjacent district, were purchased by the Commission and negotiations are now pending covering the sale of the distribution system in the former to the corporation; arrangements are also nearly completed for merging the latter company's properties into the Bruce rural power district.

Reconstruction of local distribution systems was undertaken in five municipalities to provide better service and to readjust the original lines and equipment to meet the conditions of existing and future loads. Transformer changes were made at three existing substations to provide increased capacity for growth of load, and a new substation was provided at Falkenburg to provide service to the new Baysville rural power district.

A new rural power district was opened up in Muskoka known as the Baysville rural power district serving the hamlets of Baysville and Dorset, and the entire summer resort area south of the Lake-of-Bays.

General engineering assistance and advice concerning the management and operation of the various local distribution systems, also assistance in connection with the application of rates and the submission of information to power and lighting customers was rendered to all of the municipalities throughout the district.

Estimates and work in connection with the rebuilding of distribution systems, to take care of various conditions, was undertaken during the year and additional transformer capacity provided where necessary in the following places:—Bradford, Hanover, Markdale, Orangeville and Port McNicoll.

Engineering advice of a special nature in connection with matters referred to was given to the following municipalities:—

Alliston—Plans and specifications were prepared and estimates submitted by the Commission covering the complete rehabilitation of the local distribution system. The work was performed by the Commission's construction department.

Formosa—The Formosa Electric Light Company originally serving this hamlet and adjacent district was purchased by the Commission and arrangements are now pending for merging all of the lines formerly owned by the private company into the Bruce rural power district.

Grand Valley—The local distribution system was completely reconstructed by the construction department of the Commission at the request of the municipality. The lines and equipment now conform to present-day standards and existing load conditions.

Mildmay—Money and enabling by-laws were submitted to the ratepayers and carried by large majorities in connection with supplying this municipality with power from the Georgian Bay system.

EASTERN ONTARIO SYSTEM

This system includes the Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska districts. The area served lies east of Dunbarton, Lake Scugog. Lindsay and Balsam lake.

The power supply is from developments owned by the Commission on the Trent Canal system and on the Mississippi and Madawaska rivers. Power is purchased from the Gatineau Power Company, the Cedar Rapids Transmission Company, the Rideau Power Company, the Corporation of Campbellford and the Beach Estate at Iroquois.

The Commission controls or has an interest in a number of undeveloped water-power sites on the Ottawa, Mississippi and Madawaska rivers, from which sites power can be made available when warranted by the demand. At present the growth of load is met by increases in the power purchased under contract with the Gatineau Power Company.

Owing to improved water conditions on the Trent Canal system, it was not necessary to call on the Gatineau Power Company for power in advance of the contract obligations as in previous years.

General engineering assistance and advice was given to municipalities concerning the management and operation of the various local distribution systems.

Estimates and work in connection with the rebuilding of distribution systems, to take care of various conditions was undertaken during the year and additional transformer capacity provided where necessary in the following places:—Deseronto, Napanee, Omemee, Stirling, Wellington and Williamsburg.

Certain municipalities received special engineering advice and assistance regarding a number of matters, which are more fully referred to as follows:

Bath—The construction of the electrical distribution system in the village of Bath was completed and service was made available on November 4, 1931.

Belleville—The Belleville Hydro-Electric System opened its new offices on September 26. The building was officially opened by the Hon. J. R. Cooke.

Bobcaygeon—Estimates on the cost of power to this municipality were prepared and submitted to the municipal officials. A public meeting was held at which the estimates were fully explained.

Cobourg—The electrical distribution system and waterworks purchased from the Commission by the municipality were operated during the year for the Corporation by the Commission. It is expected that these utilities will be operated and administered by a public utilities commission on January 1, 1933.

Colborne—The municipal council requested the Commission to assist it in negotiating the purchase of the local distribution system from the Peebles Estate. A valuation of the local plant was made and the question of purchase will be submitted to the electors on November 21, 1932.

Iroquois—Estimates were prepared and submitted to the corporation on the delivery of 100 and 200 horsepower.

Morrisburg—The corporation requested estimates on the delivery of 100 and 200 horsepower from the lines of the Commission. The estimates were forwarded to the corporation.

Newcastle—An extension of the Newcastle distribution system to Newcastle-on-the-Lake was authorized and will be completed next spring.

Norwood—The Commission has undertaken rebuilding a part of the local distribution system necessitated by the improvements being made by the Government Highways department.

Peterborough—Estimates were prepared and engineering assistance rendered to the local utilities commission in constructing a new 44,000-volt line from Auburn station to the Peterborough municipal station and in making certain changes in the municipal station. The Commission carried out the work of changing the switching arrangements at Auburn station to accommodate the new line.

Warkworth—On order of the Ontario Railway and Municipal Board the municipal boundaries of the police village of Warkworth were enlarged to include suburban areas already served by the municipal electric system.

Westport—This municipality first received service on November 14, 1931, being served from the station at Forfar.

THUNDER BAY SYSTEM

The effect of the depression on the demand for power in the pulp and paper industry, and in the grain trade, is still in evidence in the load of the Thunder Bay system. The average load was 5,440 horsepower less, and the maximum system peak was 5,494 horsepower less than during the previous year. It is hoped that one of the large pulp and paper mills which has been shut down will resume partial operation in 1933.

Considerable expansion has taken place during the year in rural districts adjacent to Port Arthur and Fort William. Port Arthur rural power district located north and east of Port Arthur was inaugurated and placed in operation involving the construction 9.71 miles of rural line, and arrangements were also completed for the formation of the Fort William rural power district located immediately west of Fort William.

Engineering assistance and advice covering the management and operation of the various distribution systems was given to the cities of Fort William and Port Arthur and the village of Nipigon, which together comprise the system.

NORTHERN ONTARIO SYSTEM

Nipissing District

A new substation of 150-kv-a. capacity was constructed at Callander to provide power for a large planing mill, and the rural area previously served adjacent to the village of Powassan was considerably extended to provide service to new farm customers.

Abitibi District

This district comprises the entire area which may be served at 25-cycles from the Hunta-Sudbury transmission line. Assistance and information was given to prospective mining companies concerning the cost of power available in the district.

Sudbury District

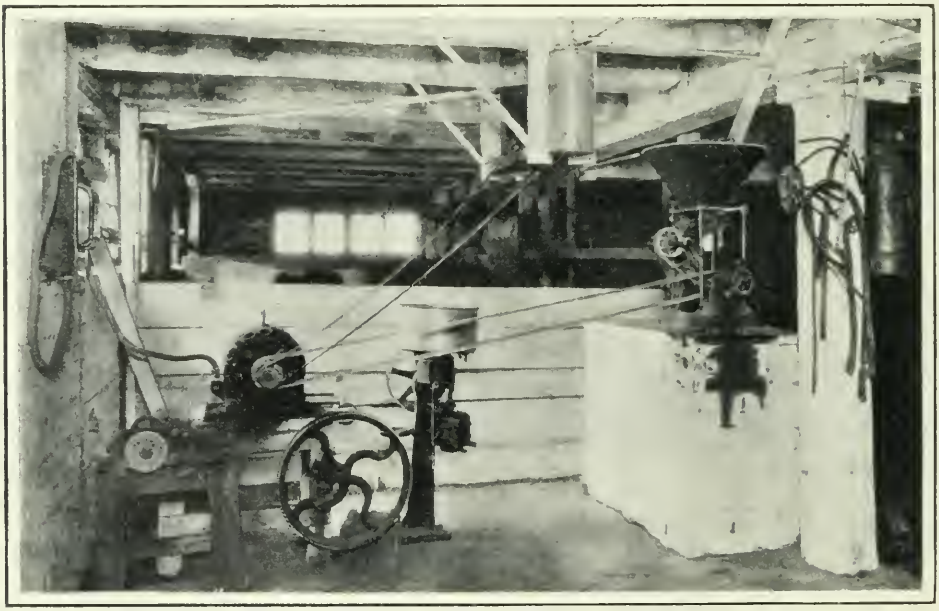
This district comprises the entire area adjacent to Sudbury which may be served at 60-cycles from the power developments on the Wanapitei river. Information was submitted to various areas adjacent to the city of Sudbury in connection with rural service and several conferences and meetings were held. Assistance was given to the town of Capreol in the construction of a new substation and negotiations were conducted with the Canadian National Railway covering the purchase of its transmission line between Sudbury Junction and Capreol.

Patricia District

Assistance in connection with the utilization of power was given to a large gold mine, the only customer at the present time being supplied from the Ear Falls development. Information concerning cost and utilization of power was also submitted to other prospective mining customers in the district.

Manitoulin District

This district comprises the entire island of Manitoulin and was formed during the year for the purpose of giving power to a section of the island adjacent to Gore Bay and Mindemoya. Arrangements were made for the construction of distributing lines and a transformer station. Power is being obtained from the Kagawong development of The Little Rapids Pulp Company and it is expected that the work will be completed and service delivered early next year.



RURAL ELECTRICAL SERVICE IN ONTARIO

The three-horsepower motor illustrated is used in the barn to drive a chopping mill, a milking machine, a cream separator and a jack shaft and emery stone

RURAL ELECTRICAL SERVICE IN ONTARIO
Brings to the farm home the conveniences enjoyed by city dwellers

RURAL ELECTRICAL SERVICE

The Commission first supplied electrical service to rural consumers about twenty years ago. In the earlier years this service was supplied to townships and for the most part the rural consumers were reached by extensions to existing urban and suburban distribution networks, or by lines from stations serving urban municipalities. The progress made was successful in certain thickly populated sections, but the policy of serving townships as a unit did not permit an economic distribution in thinly populated areas. By 1920, some 2,200 rural consumers were served, but the aggregate rural load was less than 500 horsepower. In 1920, amendments to *The Power Commission Act* provided for the formation of rural power districts and in 1921 and 1924 special rural Acts were passed by the Provincial Legislature providing for the payment of Provincial "grants-in-aid." These legislative enactments;* the special consideration given to rural electrical service; and the experience gained and put into practice by the Commission, have resulted in a remarkable growth in rural electrical service in Ontario. This is well shown by the accompanying charts. There is, indeed, no branch of the Commission's activities to which, during recent years, more detailed consideration has been given than its department of rural electrical service.

The policy and practice of the Commission has been, and is, to make a distribution of electrical energy as widespread as possible, and to extend to every community that can economically be reached by transmission lines the benefit of electrical service. In harmony with this policy, the supplying of electrical service to rural districts has been undertaken according to a compre-

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*Re Rural Power District Legislation:—Consult *The Power Commission Act* (R.S.O. 1927, ch. 57); *The Rural Hydro-Electric Distribution Act* (R.S.O. 1927, ch. 59); *The Rural Power District Loans Act, 1930* (20 Geo. V, ch. 14), and *The Rural Power District Service Charge Act, 1930* (20 Geo. V, ch. 15).

hensive and carefully thought-out programme. For the purpose of electrical service in rural Ontario, rural power districts are formed in the more closely settled portions of the Province traversed by transmission lines. A typical rural power district covers about 100 square miles. Its boundaries are not arbitrary geographical limits—such as define, for example, the areas of townships—but depend rather upon the economic distances which may be served from a distribution centre of city, town or village or other sources where suitable power is available. It should be appreciated that without such transmission networks as have been constructed to serve the cities and towns of the Province, any extensive rural electrification would be economically impracticable.

It must, however, be recognized that rural electrical service is essentially a community interest and to attain its greatest success must have the whole-hearted support of all rural dwellers. Co-operation is the keynote of success. Primarily, rural service is made possible by the great networks of transmission lines which have been constructed to serve urban municipalities. These networks afford a base from which rural primary lines may economically be extended over wide areas of the more closely settled parts of rural Ontario. Thus there is co-operation between the urban and rural citizens. The growth in the mileage of rural lines during recent years has been so rapid that at the present time the aggregate length of such lines exceeds the mileage of the main transmission lines built to serve urban centres. In the rural power districts the transmission lines which serve the individual farmers can also carry electrical energy to churches, schools and stores, as well as provide power for factories utilizing agricultural products as their raw material. Thus, co-operation produces the greatest benefit to all and results in lower costs.

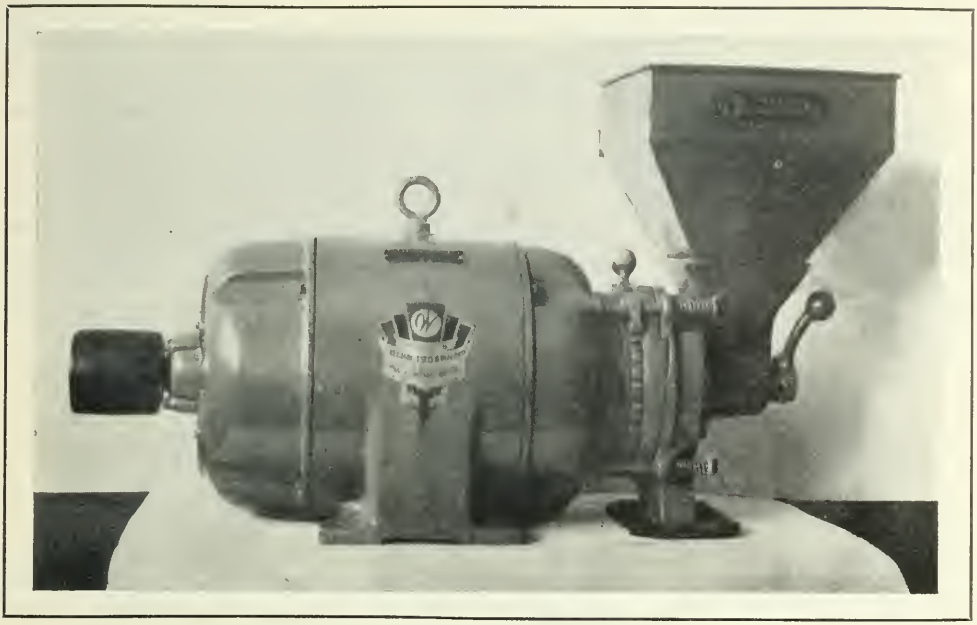
The experience gained by the Commission and the improvements in technique, enable electrical service to be given to rural districts when there can be secured three signed farm contracts, or their equivalent, per mile of line to be constructed.

Provincial Government Aids Rural Service

The Province of Ontario recognizes the importance of electrical service to the agricultural industry and gives assistance to rural residents in three ways, namely:

First—A grant-in-aid toward the initial capital cost of supplying electrical service, amounting to fifty per cent of the cost of line and secondary equipment necessary to deliver power from the supply point of city, town, village, etc., to the customer's property. This is the maximum amount provided for by *The Rural Hydro-Electric Distribution Act*.

Second—Authority has been granted by the Province to the Commission in *The Rural Power District Service Charge Act, 1930*, to fix a maximum service charge for any class of service rendered by the Commission in a rural power district. Where as may be the case in newly established rural power districts such maximum service charge is not sufficient to meet the necessary cost of service, as specified by the Commission, the deficit is chargeable to and payable out of the Consolidated Revenue Fund of the Province. Payments made out of the Consolidated Revenue Fund for this purpose, on account of any rural power district, are charged to that rural power district in a special account—known as the "Rural Power Service Suspense Account"—in the books of the Treasurer of Ontario, and any surplus thereafter arising from any maximum



RURAL ELECTRIC SERVICE IN ONTARIO

Horizontal chopper in which a 1½ horsepower motor is used for 25-cycle and a 2-horsepower motor is used for 60-cycle service. The power take-off operates at motor speed. The plates are separated when using the motor for other purposes than chopping

service charge in that rural power district is to be paid to the Treasurer of Ontario and placed to the credit of the rural power district in such suspense account until the deficit is extinguished. Where a temporary deficit arises in any rural power district owing to the application of the maximum service charge, such maximum service charge must remain in force and be charged in that rural power district until the deficit is extinguished.

A tabulation set out on an accompanying page shows the present maximum service charge placed in effect on January 1, 1930.

Third—An Act—*The Rural Power District Loans Act, 1930*—to provide for granting aid towards the installation of electrical works in rural power districts was passed during the year 1930. The purpose of this Act is to provide advances towards the installation of electrical services in rural power districts, subject to regulations. Aid may be granted subject to such regulations and repayments, or the wiring from the transmission or distribution lines of the Commission into and throughout dwellings, farms, outhouses, and any other works which may from time to time be specified by the regulations. In addition to the wiring, loans may be obtained on transformers, motors, or other appliances, as may be necessary or expedient for any industrial, agricultural or domestic purpose which may be specified in the regulations.

Rural Loans

Loans have been made to an increasing number of rural consumers to aid them in financing the cost of wiring their premises and the installation of motors, grain grinders, pumping systems, milling machines and washing machines—all made possible by the passing of *The Rural Power District Loans Act* in 1930.

Up to October 31, 1932, there have been 352 applications for loan received since the Act was put into force. Of these, 226 were received during the last fiscal year. Out of the total number of 352 applications, 17 have been withdrawn by the applicants; 37 have been either ineligible for loan due to conditions or the applicants have failed to conform to the regulations—approval to these has not been given—and 37 applications are pending the receipt of information from the field to enable the Commission to approve them. In all 261 applications have been approved and loans granted up to October 31, 1932; of these 187 were approved during the past fiscal year, an increase of 113 over the previous year.

Out of the total number of applications approved and granted:

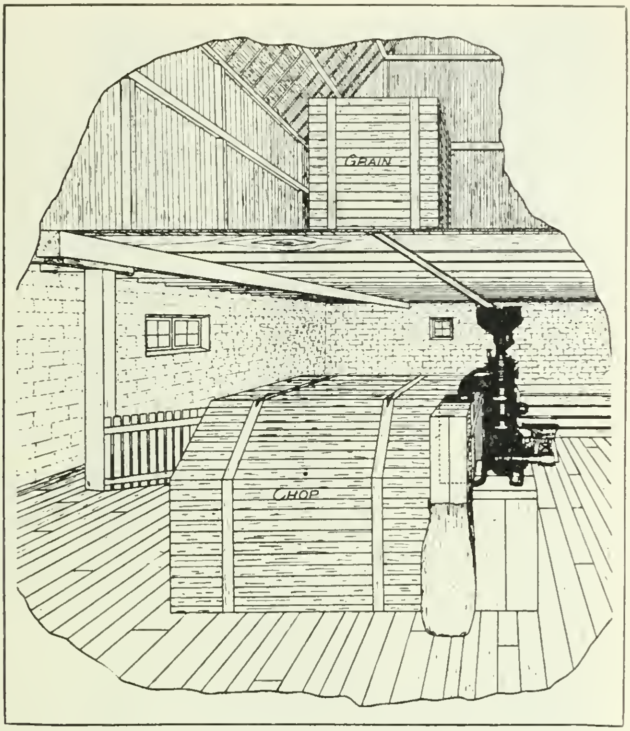
166	covered applications from	Niagara system	Total $36,260
76	“ “ “	Georgian Bay system	“ 21,727
19	“ “ “	Eastern system	“ 5,715
261		All systems	Total $63,702

The total amount of loans approved up to date is $63,702, of which $40,160 was advanced during the past year, an increase of $15,618 over 1930-31. The average loan amounts to about $245.

With respect to the 261 loans actually made, the following table shows the number of applications in which the different items enumerated in the regulations were applied for, also the cost to the consumers of these items. In many cases the amount approved or applied for was substantially less than the actual cost of the equipment or wiring to be financed, as frequently the consumer did not wish to borrow up to the full amount of the cost of his installation or the Commission felt that the security would be more satisfactory if the amount of loan granted was less than the cost of the installed equipment.

DETAILS OF RURAL LOANS GRANTED UP TO OCTOBER 31, 1932

Items applied for (including installation) in loans which have been paid	Totals for 74 applications granted in 1930-31		Totals for 187 applications granted in 1931-32		Totals for all applications to Oct. 31, 1932	
	Number of applications affected	Cost to consumers	Number of applications affected	Cost to consumers	Number of applications affected	Cost to consumers
		$ c.		$ c.		$ c.
Service from road	60	3,484.80	91	4,756.27	151	8,241.07
House wiring	63	7,860.79	90	8,077.36	153	15,938.15
Barn and building wiring	60	6,160.49	87	7,452.80	147	13,613.29
Motors	16	1,545.30	15	1,507.96	31	3,053.26
Grain grinders	15	2,489.50	95	16,985.76	110	19,475.26
Pumping systems	6	616.50	8	849.03	14	1,465.53
Milking machines	2	675.00	2	405.00	4	1,080.00
Washing machines	15	1,734.00	8	934.00	23	2,668.00
		24,566.38		40,968.18		65,534 56



RURAL ELECTRICAL SERVICE IN ONTARIO

Suggested set-up of farm chopper with the grain supply above and the chop box below with bagger attachment so that chop may be transferred to other buildings. When chop is being delivered to the bin no attendance is necessary

Respecting the 261 applications which have been granted, the following table shows the number of loans approved for each term of years from one to ten years:

One year term........	4 loans	Six year term........	5 loans
Two " "	2 "	Seven " "	72 "
Three " "	18 "	Eight " "	8 "
Four " "	8 "	Nine " "	0 "
Five " "	106 "	Ten " "	38 "
		Total..................	261 "

Up to the present time 10 loans have been paid up in full, either through the fact that the loans matured or because of the improved financial position of the loanee.

The assistance given by the Province in these several ways is in pursuance of a long-established governmental policy of promoting the basic industry of agriculture. This policy had previously found expression in the establishment of agricultural schools, colleges and experimental farms, in assistance for farm drainage, road building and in other ways. The grants-in-aid and guarantees thus given make it possible to extend hydro-electrical power service to those engaged in and connected with agricultural pursuits in less densely populated districts where otherwise such service would not be financially feasible.

The extent and effect of the Province's financial assistance with respect to the distribution of power in rural districts should be clearly understood. The Government grant-in-aid relates solely to the initial capital investment for distribution facilities in rural power districts only. Having made its grant-in-aid, the Government further participates in the operation of each district in that it guarantees a maximum service charge, otherwise its participation in the operation of the property ceases. Each rural power district not only pays the cost of operation, maintenance and administration of its lines, but also sets up reserves for renewals, obsolescence and contingencies on the whole of the equipment and lines, as well as for sinking fund on the investment made by the Commission on behalf of the townships served.

The accompanying diagrams and tables illustrate the expansion of rural electrical service in Ontario during the last twelve years. The greater area covered is shown by the increased mileage of primary lines approved. The increase in the use of electricity by the farming communities is shown by the aggregate power loads supplied to the rural power districts.

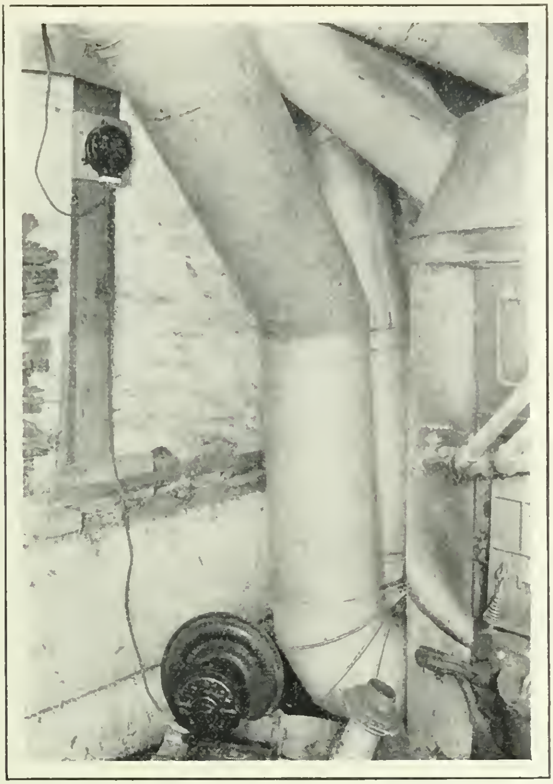
It is believed that further substantial progress will be made in the next few years. An outstanding reason for this growth is the extent to which the Commission has gained the confidence of the rural communities through efficiency in the construction of lines, through progressive reductions in rates and by a continuity of service which has contributed very materially to progress by inspiring confidence in the use of electrical power-driven machinery.

Concurrently with the development of rural service the Commission has made studies in connection with the efficient use of electricity on the farm. Investigations are constantly being made regarding problems involving efficient electrical rural service. As an example of this type of activity, the Commission during the past few years has made studies for the purpose of discovering the fundamentals involved in grinding grain. These studies disclosed that the type of machine being used was of low mechanical efficiency. As a result the Commission has developed a new type of plate of the toothed variety and made of hard alloy steel. This plate shears the grain and the product is of a granular texture which is believed to be the type desired by the farmer.

The Year's Activities

During the fiscal year 1931-32 there were constructed or under construction some 526 miles of primary transmission line in the rural power districts of Ontario, which was less than half the mileage constructed each year for the past five or six years. The mileage constructed in the year 1931-32, however, exceeded that constructed during the two-year period 1924 and 1925, and in view of the exceptional economic conditions which have very seriously affected agricultural operations and prices, must be regarded with satisfaction. Electrical service was given to 3,933 additional consumers. The capital expenditure approved for rural construction work during the past year was $1,123,741, and the aggregate peak load in October, 1932, reached 32,853 horsepower. Details of these matters and of the present status of rural distribution are presented in the accompanying tables. For the coming year, arrangements have been made to construct about 600 miles of additional rural lines.

The engineers of the Commission attended, during the past year, a number of public meetings throughout the Province, held for the specific purpose of explaining to prospective consumers the rates at which electrical power could



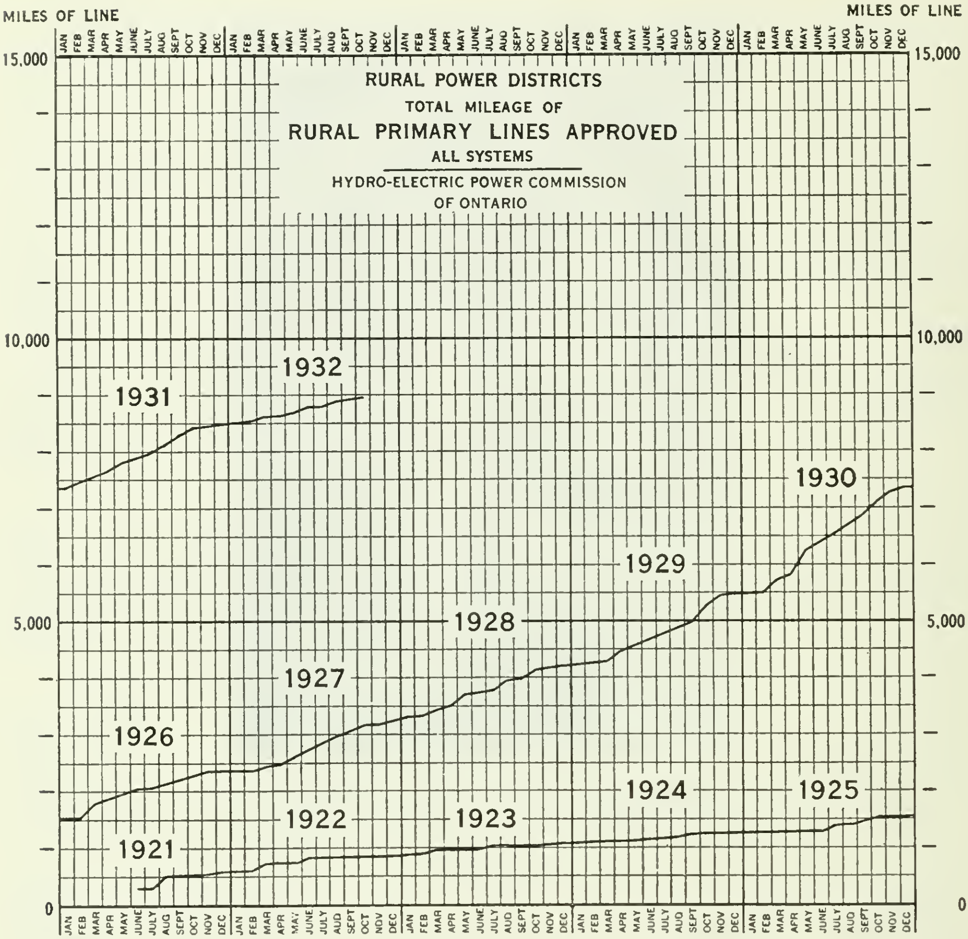
RURAL ELECTRICAL SERVICE IN ONTARIO

An electric blower on the house furnace. Permits the use of small size coal and automatic control of temperature

be supplied, the uses which can be made of power on the farm and the procedure necessary to obtain service. Where possible, moving pictures were shown, illustrating the uses of electricity on the farm. The provincial statutes relating to rural distribution were explained, pamphlets were distributed, and assistance was given to local committees appointed to canvass their respective districts.

The Commission also co-operated with the Provincial Department of Agriculture by giving similar talks to students taking short-course lectures at the Agricultural College at Guelph, and at other centres. Representatives of the Commission also attended provincial ploughing matches and arranged to give information to a large number of interested farmers. The manufacturers of electric motors and other equipment used in connection with power on the farm co-operated with the Commission in giving demonstrations at various places, showing actually how powei can advantageously be employed by the farmer.

During the past year not only has the power taken by the rural power districts increased because of increased mileage of transmission lines and the demand of the consumer connected to these new lines, but the demand for power has also increased due to the greater use of electricity on the farms already served and due to the connection of new consumers to existing lines. Furthermore,

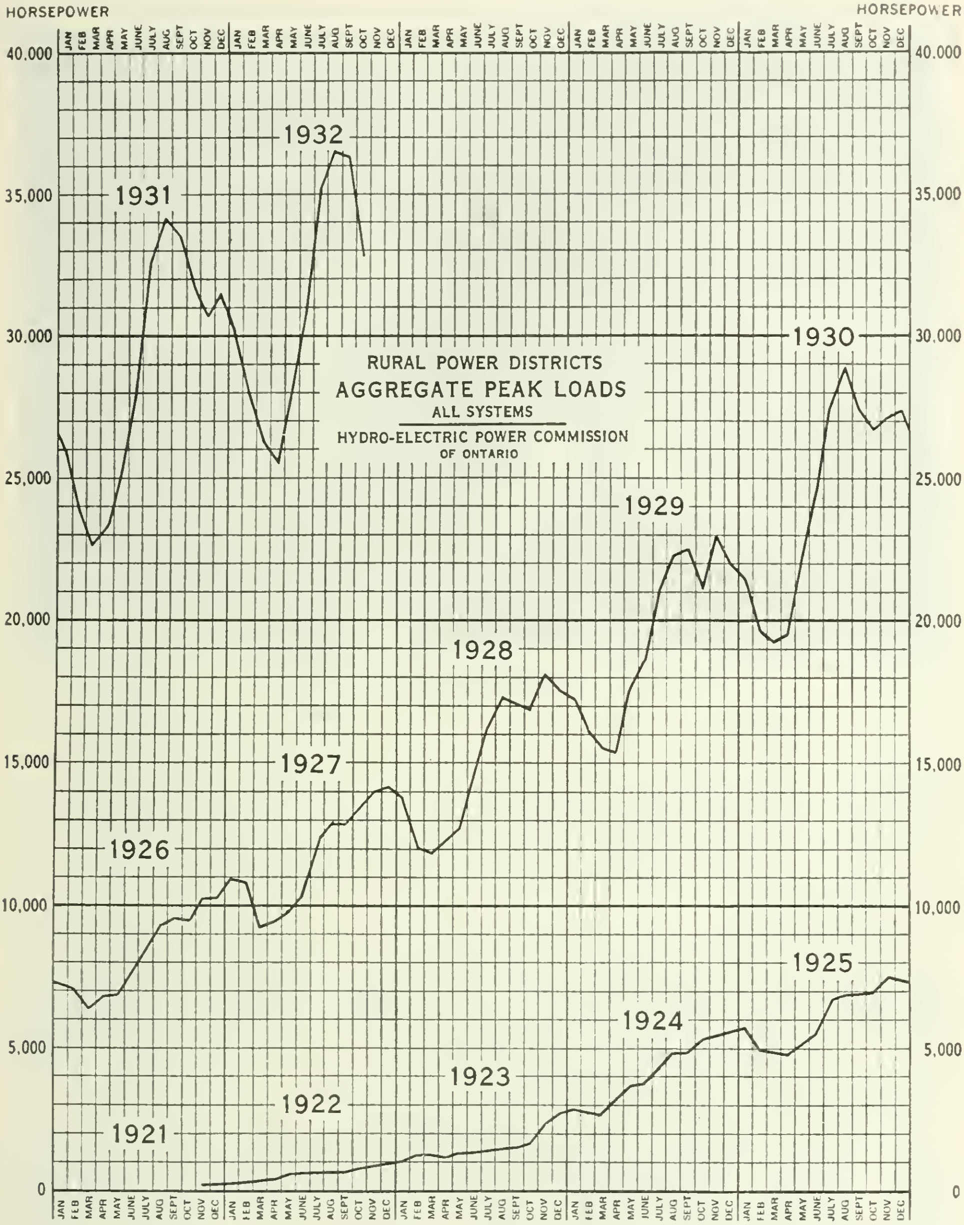


many townships have installed—in districts where the conditions warrant—street-lighting systems on the public highways. To supply these increased loads, new substations have been constructed and the capacities and number of lines have been increased.

The tabulation on page 71 shows the extensions approved during the year, the number of consumers, the amounts of power supplied, the capital expenditures and the amounts of provincial grant-in-aid of rural lines approved by the Government.

Rates for Rural Electrical Service

Rates to rural consumers are based upon service "at cost"—proper account, of course, being taken of the provincial grant-in-aid for rural work and the operation of the provision for a maximum service charge—and as in urban centres the rates are made up of two parts, a service charge and a consumption charge. In any given rural power district the service charge to a consumer depends primarily upon the individual connected load or demand which determines his class rating (see "Classification of Services") but this is modified in the earlier



years of operation of a rural power district by the provision respecting maximum service charge; the consumption charge is in the form of a first and second kilowatt-hour charge and is largely determined by the cost of power at the source of supply to the rural power district.

An important factor in connection with rural power supply is the stability of the rates charged. Since service is given at cost and since it is the policy to give service whenever economically practicable, it is necessary, in the interests of the rural consumers themselves, to ensure by contract a certain minimum return from each mile of line constructed. Otherwise, if one or two prospective

RURAL ELECTRICAL SERVICE IN ONTARIO
Grading tobacco by use of artifical sun lamp developed for this purpose

consumers failed to take service, it would place an unfair burden upon those who did. Experience has led the Commission to adopt the safe policy of constructing rural lines only when sufficient contracts have been signed to guarantee payment of the fixed charges on their cost; the minimum signed contracts required being three ordinary farm contracts or their equivalent per mile of line constructed.

For the purpose of determining the service charge, each mile of line is assumed to represent a minimum of 15 units and to each class of service is assigned a value in such units. The accompanying Table gives this information and shows the annual and monthly service charges appliable to each class of service. It may be stated that more than 90 per cent of the contracts entered into for farm service are either of Class 2B or Class 3. These, therefore, are the representative classes for individual farm service.

Rather more than half the consumers in rural power districts are grouped in hamlets or small villages closely identified with rural activities, and these consumers are usually in Class 1B or Class 1C. It should further be understood that rural power districts do not include suburban districts or larger villages. These have their own electrical utilities.

All new rural power districts begin at standard rural rates and these constitute the maximum rates submitted to the proposed consumers. As the average number of consumers per mile of line increases, the service charges may be, and in practice have been, reduced; and with increased consumption the rates per kilowatt-hour are also lowered. Thus, in older-established rural power districts the total cost of service is much below the initial standard rates.

At the end of this section is given a tabulation of the rural power districts established in connection with the several systems of the Commission, which shows the miles of line, the number of consumers and the rate schedules for each district.

RURAL LINE EXTENSIONS DURING THE YEAR 1932

System	Miles of primary line	Number of customers			Power supplied in October, 1932	Capital approved for extensions	
		Hamlet	Farm	Total		Total	Provincial grant-in-aid
						$ c.	$ c.
Niagara...........	232.06	851	1,293	2,144	25,227	508,653.80	254,326 90
Georgian Bay......	96.71	611	196	807	2,250	228,189.00	114,094 50
Eastern Ontario....	119.18	415	246	661	5,208	259,164.00	129,582.00
Thunder Bay......	41.55	41	124	165	89	69,678.00	34,839.00
Northern Ontario..	34.40	137	19	156	79	58,057.00	29,028.50
Total.........	523.90	2,055	1,878	3,933	32,853	1,123,741.80	561,870.90

SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921, to October 31, 1932

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet	Farm	Total	Total	Provincial grant-in-aid
					$ c.	$ c.
Niagara...............	6,467.58	21,630	21,623	43,253	14,254,200.63	7,103,820.31
Georgian Bay..........	785.95	3,732	1,659	5,391	1,620,978.01	778,940.52
Eastern Ontario........	1,578.42	6,462	3,815	10,277	3,461,193.79	1,730,596.89
Thunder Bay..........	50.55	56	145	201	87,117.00	43,558.50
Northern Ontario.......	45.39	370	42	412	91,554.00	45,777.00
Total............	8,927.89	32,250	27,284	59,534	19,515,043.43	9,702,693.22

SERVICE CHARGES IN RURAL POWER DISTRICTS—SINCE JAN. 1, 1930

With Provincial Grant-in-Aid—25-cycle and 60-cycle Service

Class of rural service	Units per consumer*	Approx. number of customers per mile of line	Demand allowed consumer in k-w.	Kilowatt-hours per month at first rate	Gross annual service charge	Gross monthly service charge	Net annual service charge	Net monthly service charge
					$ c.	$ c.	$ c.	$ c.
1B	2.25	6.8	1.32	30	18.00	1.50	16.20	1.35
1C	3.75	4.0	2.0	30	27.96	2.33	25.20	2.10
2A	1.90	8.0	1.32	30	20.64	1.72	18.60	1.55
2B	3.50	4.3	2.0	30	27.96	2.33	25.20	2.10
3	**5.00**	**3.0**	**3.0**	**42**	**33.36**	**2.78**	**30.00**	**2.50**
4	5.35	2.8	5.0	70	36.00	3.00	32.40	2.70
5	7.50	2.0	5.0	70	50.04	4.17	45.00	3.75
6A	12.50	1.2	9.0	126	62.04	5.17	55.80	4.65
6B	12.50	1.2	9.0	126	70.68	5.89	63.60	5.30
7A	20.00	0.74	15.0	210	92.64	7.72	83.40	6.95
7B	20.00	0.7	15.0	210	111.36	9.28	100.20	8.35

* Before a rural primary line is constructed contracts equivalent to 15 primary units per mile must be signed. (For explanation of units see accompanying text.) Thus three Class 3 consumers at 5 units each equals 15 units. Service charges are adjusted so that each class of service bears its equitable share of the cost.

Note: For classification of services see page 78.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1932

NIAGARA SYSTEM

Rural power district			Miles of line	No. of consumers	Rural rates													
					Class and gross monthly service charge											Gross consumption charge		Prompt payment discount
					1B	1C	2A	2B	**3***	4	5	6A	6B	7A	7B	1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	%
Acton	N5	D1	8.88	22	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Ailsa Craig	N4	D7	5.80	16	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6.5	2	10
Alvinston	N18	D9	3.87	8	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Amherstburg	N15	D3	58.67	583	1.30	2.33	1.60	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Aylmer	N11	D2	113.17	605	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4.5	2	10
Ayr	N12	D4	22.19	76	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Baden	N7	D1	83.37	417	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Beamsville	N1	D4	150.43	1,440	1.20	2.11	1.56	2.11	**2.50**	2.72	3.78	4.67	5.33	6.94	8.39	3	1.5	10
Belle River	N15	D2	37.08	370	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Blenheim	N14	D3	58.51	308	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Bond Lake	N3	D3	149.01	1,464	1.10	1.98	1.46	1.98	**2.36**	2.55	3.54	4.39	5.01	6.56	7.89	3	1.5	10
Bothwell	N14	D10	34.55	132	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Brampton	N13	D2	43.77	166	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Brant	N12	D1	111.69	528	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Brigden	N18	D8	33.31	114	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Burford	N12	D2	51.08	249	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4.5	2	10
Caledonia	N2	D5	96.96	482	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Chatham	N14	D1	137.70	785	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Chippawa	N1	D7	23.41	177	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Clinton	N8	D11	64.44	346	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Delaware	N4	D3	122.27	643	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Dorchester	N4	D1	107.67	582	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Dresden	N14	D12	24.22	76	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Drumbo	N12	D5	56.92	253	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Dundas	N2	D1	93.78	717	1.30	2.21	1.63	2.21	**2.64**	2.85	3.96	4.91	5.60	7.33	8.82	3	1.25	10
				93	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Dunnville	N1	D9	16.80	†	1.00	1.86	1.38	1.86	**2.22**	2.40	3.34	4.14	4.71	6.18	7.42	3.5	2	10

Dutton	N11	D3	44.63	170	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Elmira	N7	D3	22.12	83	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Elora	N5	D4	44 79	252	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Essex	N15	D7	86.39	452	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4.5	2	10
Exeter	N4	D6	64.72	601	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Forest	N18	D6	36.92	141	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Galt	N6	D2	38.93	306	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Georgetown	N5	D2	54.87	264	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Goderich	N8	D2	39.14	162	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Grantham	N1	D2	57.83	781	1.00	1.50	1.25	1.86	**2.22**	2.40	3.34	4.14	4.71	6.18	7.42	3	1.5	10
Guelph	N5	D3	90.79	530	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
				‡	1.20	2.15												
Haldimand	N2	D8	48.21	260	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4.5	2	10
Harriston	N8	D5	23.17	59	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Harrow	N15	D4	66.88	617	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4.5	2	10
Ingersoll	N10	D3	174.65	593	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5.5	2	10
Jordan	N1	D3	34.21	371	1.05	1.86	1.38	1.86	**2.22**	2.40	3.34	4.14	4.71	6.18	7.42	3	1.5	10
Keswick	N3	D5	52.98	960	1.20	2.10	1.55	2.10	**2.50**	2.70	3.75	4.65	5.30	6.95	8.35	4	2	10
Kingsville	N15	D5	119.63	1,365	1.00	1.80	1.25	1.98	**2.36**	2.55	3.54	4.39	5.01	6.56	7.89	3	2	10
Listowel	N8	D8	78.90	325	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
London	N4	D2	189.17	2,037	.90	1.65	1.15	1.75	**2.22**	2.40	3.34	4.14	4.71	6.18	7.42	3	1.5	10
Lucan	N4	D5	31.89	128	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Lynden	N2	D2	48.04	250	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Markham	N3	D1	108.00	818	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Merlin	N14	D15	83.60	316	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Milton	N13	D3	58.65	328	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Milverton	N8	D9	39.83	165	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Mitchell	N8	D7	65.70	332	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4.5	2	10
Newmarket	N3	D4	61.53	326	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Niagara	N1	D1	52.82	303	1.20	2.15	1.63	2.21	**2.64**	2.85	3.96	4.91	5.60	7.33	8.82	3	1.5	10
Norwich	N10	D1	107.01	460	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Oil Springs	N18	D3	18.74	117	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Palmerston	N8	D6	33.46	110	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Petrolia	N18	D5	13.96	58	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Preston	N6	D1	123.43	973	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.25	10

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*See footnote on page 78.

†Lowbanks extension.

‡Suburban area.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1932

NIAGARA SYSTEM—Continued

Rural power district			Miles of line	No. of consumers	Rural rates													
					Class and gross monthly service charge											Gross consumption charge		Prompt payment discount
					1B	1C	2A	2B	**3***	4	5	6A	6B	7A	7B	1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	
					$ c.	$ c.	$ c.	$ c.	**$ c.**	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	%
Ridgetown......	N14	D2	92.90	685	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
St. Jacobs......	N7	D2	63.05	363	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
St. Marys......	N9	D1	104.49	413	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
St. Thomas.....	N11	D1	155.90	1,094	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Saltfleet........	N17	D1	98.81	1,549	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Sandwich.......	N15	D1	127.54	2,055	1.00	1.86	1.38	1.86	**2.22**	2.40	3.34	4.14	4.71	6.18	7.42	3.5	1.5	10
Sarnia..........	N18	D4	87.17	1,165	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Scarborough....	N3	D2	73.98	656	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Seaforth........	N8	D10	18.90	149	1.10	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Simcoe.........	N12	D6	64.60	340	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Stamford.......	N1	D6	10.88	297	1.30	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Stratford.......	N8	D4	33.00	220	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Strathroy.......	N4	D4	71.49	216	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Streetsville......	N13	D1	90.50	431	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Tavistock.......	N8	D1	69.69	280	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Thamesville.....	N14	D11	62.25	268	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Tilbury........	N14	D14	59.55	255	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Tillsonburg.....	N10	D4	108.16	568	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3.5	2	10
Wallaceburg....	N14	D13	84.01	535	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Walsingham....	N12	D7	79.78	391	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Walton.........	N8	D3	39.51	253	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Waterdown.....	N2	D3	68.66	913	1.20	2.10	1.55	2.10	**2.50**	2.70	3.75	4.65	5.30	6.95	8.35	3	1.25	10
Waterford......	N12	D3	73.49	285	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Watford........	N18	D7	15.00	56	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Welland........	N1	D5	276.11	2,568	1.00	1.86	1.38	1.86	**2.22**	2.40	3.34	4.14	4.71	6.18	7.42	3	1.5	10
Woodbridge.....	N16	D1	181.26	935	1.45	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	2	10
Woodstock.....	N10	D2	123.85	647	1.30	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	2	10

Total, Niagara System, 6,259.67; 43,253.

*See footnote on page 78.

GEORGIAN BAY SYSTEM

Alliston	S32	D1	22.25	136	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Arthur	E13	D2	2.40	8	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Bala	GB13	D1	35.06	207	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Barrie	S4	D1	61.02	444	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Baysville	M10	D1	32.00	113	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Beaumaris	M7	D1	20.48	207	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Beaverton	W2	D1	11.75	187	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Beeton	S33	D1	1.63	5	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Bradford	S37	D1	26.85	83	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Bruce	E19	D1	46.48	197	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Buckskin	S24	D1	.94	15	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Cannington No. 1	W3	D1	3.46	23	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Cannington No. 2	W3	D2	5.30	25	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Chatsworth	E3	D1	.00	22	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Cookstown	S35	D1	.50	2	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Creemore	S10	D2	29.77	131	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Elmvale	S7	D1	25.35	156	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5.5	2	10
Flesherton	E1	D1	2.56	24	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6.5	2	10
Georgina	W2	D2	11.30	124	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Gravenhurst	M4	D1	2.40	12	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Hawkestone	S9	D1	25.31	148	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Holstein	E7	D1	.70	9	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Huntsville	M2	D1	16.40	74	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Innisfil	S31	D1	25.09	434	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6.5	2	10
Lucknow	E24	D1	.10	2	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Mariposa	W9	D1	47.30	301	1.35	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
				†	1.20	2.20	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28			
Markdale	E1	D2	13.87	60	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
																8‡	2	10
Meaford	E14	D1	.87	5	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Medonte	S18	D1	8.37	50	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Midland	S1	D1	12.33	43	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Neustadt	E8	D1	.63	4	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Nottawasaga	S5	D1	7.84	93	1.25	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Orangeville	E12	D1	21.90	77	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Owen Sound	E2	D1	1.84	18	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Port Perry	W12	D1	45.95	328	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10

†Greenbank extension. ‡Berkeley Station extension.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1932

GEORGIAN BAY SYSTEM—Continued

Rural power district	Miles of line	No. of consumers	Rural rates													
			Class and gross monthly service charge											Gross consumption charge		Prompt payment discount
			1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	
			$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	%
Ripley.......... E24 D2	3.63	12	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Sauble.......... E46 D1	10.00	41	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Shelburne....... E10 D1	12.39	41	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Sparrow Lake... W1 D1	29.53	226	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Tara........... E15 D1	21.95	111	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Thornton....... S36 D1	7.50	31	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Utterson....... M8 D1	18.50	100	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10
Uxbridge....... W11 D1	59.96	206	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Wasaga Beach.. S10 D1	15.82	583	1.25	3.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	2	10
Wroxeter....... E22 D1	34.89	273	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	8	2	10

Total, Georgian Bay System, 784.17; 5,391.

*See footnote on page 78.

EASTERN ONTARIO SYSTEM

Rural power district	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	1st 14 hrs. use of class demand min. 30 kw-hrs.	All additional	Prompt payment discount
Alexandria...... L15 D1	19.85	98	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Arnprior....... QM10 D1	5.20	58	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Belleville....... C38 D1	74.51	653	1.20	2.15	1.45	2.25	2.78	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Bowmanville.... C23 D1	28.80	123	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Brighton....... C6 D1	10.01	63	1.35	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Brockville...... L3 D1	93.49	637	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Campbellford... C11 D1	22.10	77	1.20	2.15	1.50	2.25	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Carleton Place.. H5 D1	.58	1	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Chesterville..... L5 D1	47.60	343	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Cobourg........ C13 D1	82.85	434	1.35	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Colborne....... C7 D1	29.21	147	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Fenelon Falls... C30 D1	18.06	128	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Iroquois........ L9 D1	88.65	430	Special.													
Kemptville..... H9 D1	5.41	42	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Kingston....... C44 D1	104.70	657	1.50	2.33	1.72	2.33	2.78	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10

Lakefield	C18	D1	23.35	82	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Lindsay	C29	D1	13.03	70	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Martintown	L13	D1	20.34	137	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Maxville	L14	D2	59.52	383	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	{7 {6†	2 2	10 10
Millbrook	C25	D1	18.95	101	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Napanee	C43	D1	106.39	507	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Nepean	T1	D1	176.48	1,078	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	3	1.5	10
Newcastle	C22	D1	23.50	120	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Norwood	C31	D1	7.90	58	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Omemee	C26	D1	3.00	2	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Oshawa	C24	D1	96.08	1,480	1.00	1.86	1.38	1.86	**2.22**	2.40	3.34	4.14	4.71	6.18	7.42	3.5	2	10
Perth	H2	D1	14.28	54	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Peterboro	C20	D1	58.78	1,019	.63	1.16	.79	1.21	**1.59**	1.66	2.01	2.57	2.91	3.81	4.62	4	2	10
Prescott	L2	D1	37.50	198	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Renfrew	QM16	D1	5.50	9	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Smiths Falls	H3	D1	53.45	326	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Stirling	C35	D1	29.83	110	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Trenton	C3	D1	41.67	202	1.35	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	5	2	10
Warkworth	C49	D1	.33	6	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Wellington	C45	D1	89.16	376	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10
Williamsburg	L7	D1	13.52	68	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10

Total, Eastern Ontario System, 1,523.58; 10,277.

†Apple Hill Section.

THUNDER BAY SYSTEM

Fort William	P10	D1	39.54	148	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10
Port Arthur	P2	D1	10.02	53	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	4	2	10

Total, Thunder Bay System.....49.56; 201.

NORTHERN ONTARIO SYSTEM

Manitoulin	FM1	D1	32.00	114	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
North Bay	Z4	D1	9.03	287	1.10	2.00	1.35	2.10	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	7	2	10
Powassan	Z8	D1	3.40	11	1.50	2.33	1.72	2.33	**2.78**	3.00	4.17	5.17	5.89	7.72	9.28	6	2	10

Total Northern Ontario System, 44.43; 412.

Total, all systems: Miles of line, 8,661.41. Number of consumers, 59,534.

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed. users of power in townships are supplied with electric service under general classes with limitations as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting	1.32	1	110	15
1C	" "	2	1	220/110	35
2A	House Lighting	1.32	1	110	20
2B	Small Farm Service	2	1	220/110	35
3	**Light Farm Service**	**3**	**1**	**220/110**	**35**
4	Medium Farm Service	5	1	220/110	50
5	" " "	5	3	220/110	35
6A	Heavy Farm Service	9	1	220/110	100
6B	" " "	9	1 and 3	220/110	60
7A	Special Farm Service	15	1	220/110	According to load
7B	" " "	15	1 and 3	220/110	According to load

Class 1: Hamlet Service—Includes service in hamlets, where four or more consumers are served from one transformer. This class excludes farmers and power users. Service is given under two sub-classes as follows:

> **Class 1-B:** Service to residences or stores. Use of appliances over 1,320 watts permanently installed is not permitted under this class.
>
> **Class 1-C:** Service to residences or stores with electric range or permanently installed appliances greater than 1,320 watts. Combinations of residence and store supplied from one service shall be not less than Class 1-C. Special or unusual loads will be treated specially.

Class 2A: House Lighting—Includes service to all residences that cannot be grouped as in Class 1. This class excludes farmers and power users.

Class 2B: Farm Service, Small—Includes service for lighting of buildings and power for miscellaneous small equipment and power for a single-phase motor not exceeding 2 horsepower or an electric range (motor and range not to be used simultaneously) on a small farm of fifty acres or less.

Class 3: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for single-phase motors not exceeding 3 horsepower and electric range. Range and motor are not to be used simultaneously.

Class 4: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for single-phase motors up to 5-horsepower demand or an electric range. Range and motor are not to be used simultaneously.

Class 5: Farm Service, Medium 3-Phase—Includes service for lighting farm buildings and power for miscellaneous small equipment, power for 3-phase motors, up to 5-horsepower demand, or an electric range. Range and motor are not to be used simultaneously.

Class 6: Farm Service, Heavy—Includes service for lighting of farm buildings and power for miscellaneous small equipment, power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Class 7: Farm Service Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single or three-phase service will be given at the discretion of the Hydro-Electric Power Commission of Ontario.

Note: Class 2B is the service usually supplied to small farms of fifty acres or less and Class 3 is the service usually supplied to ordinary farms of larger size. More than 90 per cent of new contracts for farm service are in one or other of these two classes

SECTION IV

HYDRAULIC ENGINEERING AND CONSTRUCTION

The year 1932 marked the completion of the development at Chats falls on the Ottawa river, to the stage at present decided upon. Eight units of 28,000 horsepower each are now installed, and the station has been on commercial load since October, 1931.

Various repairs and renewals at the Queenston-Chippawa and Ontario Power generating stations of the Niagara system have been carried out. The major items included were: a new approach span for the highway bridge crossing the Welland river in the village of Chippawa, and a new steel bridge replacing the temporary wooden bridge which carried Queen street over the railway that serves the power house at Queenston.

The weathering of the faces of the cliff, both at the Queenston station and at the Ontario Power station, necessitated the scaling of the loose and overhanging rock. This work was completed at both places during the year.

The banks of the canal and of the Welland river have been strengthened by rip-rap and by the planting of trees at such points as seemed desirable. Bridges and bridge sites have been kept in good condition by painting of steelwork and trimming of canal banks at the bridge heads. All construction camp buildings and shops, with the exception of a few required for storage purposes, have been salvaged, and the areas graded and restored.

Various studies of potential developments, storage sites and stream flow, for the streams throughout the Province, have been in progress and reports prepared.

The completion of work which had required a large designing and drafting force in the department made necessary a substantial reduction in the staff. Among those released were a number of men who had been in the employ of the Commission for several years. These, together with those who remain, formed a well-organized and well-trained force, especially adapted to the requirements of the Commission. It is regrettable that circumstances require the release of so many men who, in various technical capacities and for long periods, have served the Hydro undertaking so faithfully.

NIAGARA SYSTEM

Queenston-Chippawa Development

A new bridge, replacing the temporary timber structure where Queen street, in the village of Queenston, crosses the railway serving the power house at Queenston, was constructed of steel and concrete, in accordance with the original agreement with the township authorities, which provided that when the timber bridge had reached the end of its useful life a permanent structure should replace it. The approaches and sidewalks have been widened and protected by guard rails and fencing, and the area cleaned up and put in suitable condition.

A new approach span has been built at the south end of the highway bridge crossing the Welland river in the village of Chippawa. The work involved a large amount of earth fill, the placing of rip-rap, the sodding and seeding of banks, and some tree planting. The appearance of the area affected has been greatly improved. This bridge and the work incidental thereto were inspected by the Department of Railways and Canals, and officially accepted.

Inspection of and repairs to the ship channel gates at the main intake were completed, and the floating construction plant was overhauled, painted, repaired and placed in a convenient storage bay.

Over the entire river area involved and also along the power canal, the banks have been strengthened both by rip-rap and by tree planting in places where these methods were applicable.

Many of the bridges have been inspected, repainted and repaired, and the canal slopes in their immediate vicinity have been trimmed and rip-rapped; this work has greatly improved the appearance of the bridges.

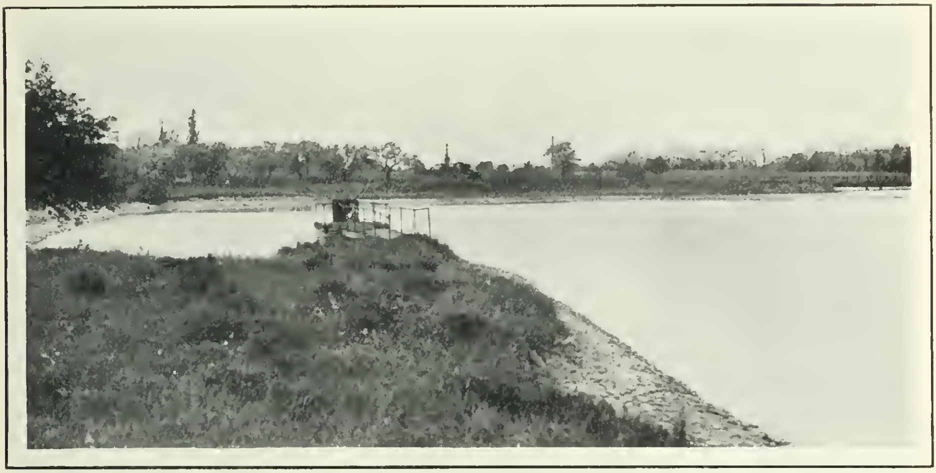
At the outlet end of the ice chute for the power house, repairs have been made to the concrete floor, which had been damaged by the erosive action of the water discharged at high velocity.

The action of frost and disintegration generally had loosened much rock on the face of the cliff just north of the power house; this rock requires periodic scaling to prevent damage to the structures and tracks beneath, and the necessary work was undertaken and completed during the year.

All old construction camps and shops have been salvaged and the areas graded and placed in good condition. Gunite and broken concrete from these operations have been placed on the canal banks at the bridge heads, to which reference was made in the foregoing.

Ontario Power Station

As at the Queenston station, the scaling of the cliff immediately above the power house became necessary. A gasoline crawler crane, travelling on the edge of the escarpment, provided the means to accomplish the work now nearing completion.



DECEW FALLS RESERVOIR
Automatic gauge setting

DeCew Falls Plant

The Commission became involved in law suits in connection with flooding damages on the Beaverdams creek, east of the Welland ship canal. The suit was brought against the Dominion Government by parties whose lands had been flooded, and the Dominion Government caused the Dominion Power and Transmission Company and the Hydro-Electric Power Commission to be added to the suits as third parties. The Beaverdams creek enters the storage reservoir of the DeCew Falls development through a culvert under the Welland ship canal and channels excavated down-stream from the culvert. The Hydraulic department gave assistance to the Legal department in connection with these suits by surveys, collection of flow and water level data, and hydraulic studies. Judgment was in favour of the Commission and the Dominion Power and Transmission company, the flooding being considered due to causes other than their works.

Attention has been given to various problems relating to measurement of water supply, water level and lands in connection with the reservoirs at the DeCew Falls plant.

Chats Falls Development

Work on this development has drawn rapidly to a close, the major part having been completed by the end of the fiscal year of 1931. The remaining features consisted largely of removal of cofferdams, completion of concrete work at points which did not interfere with operation, completion of log slide, portage road, Chats lake improvement, and clearing to high water level. Early in this fiscal year, the tailrace cofferdam was removed, together with sections of other cofferdams and construction embankments.

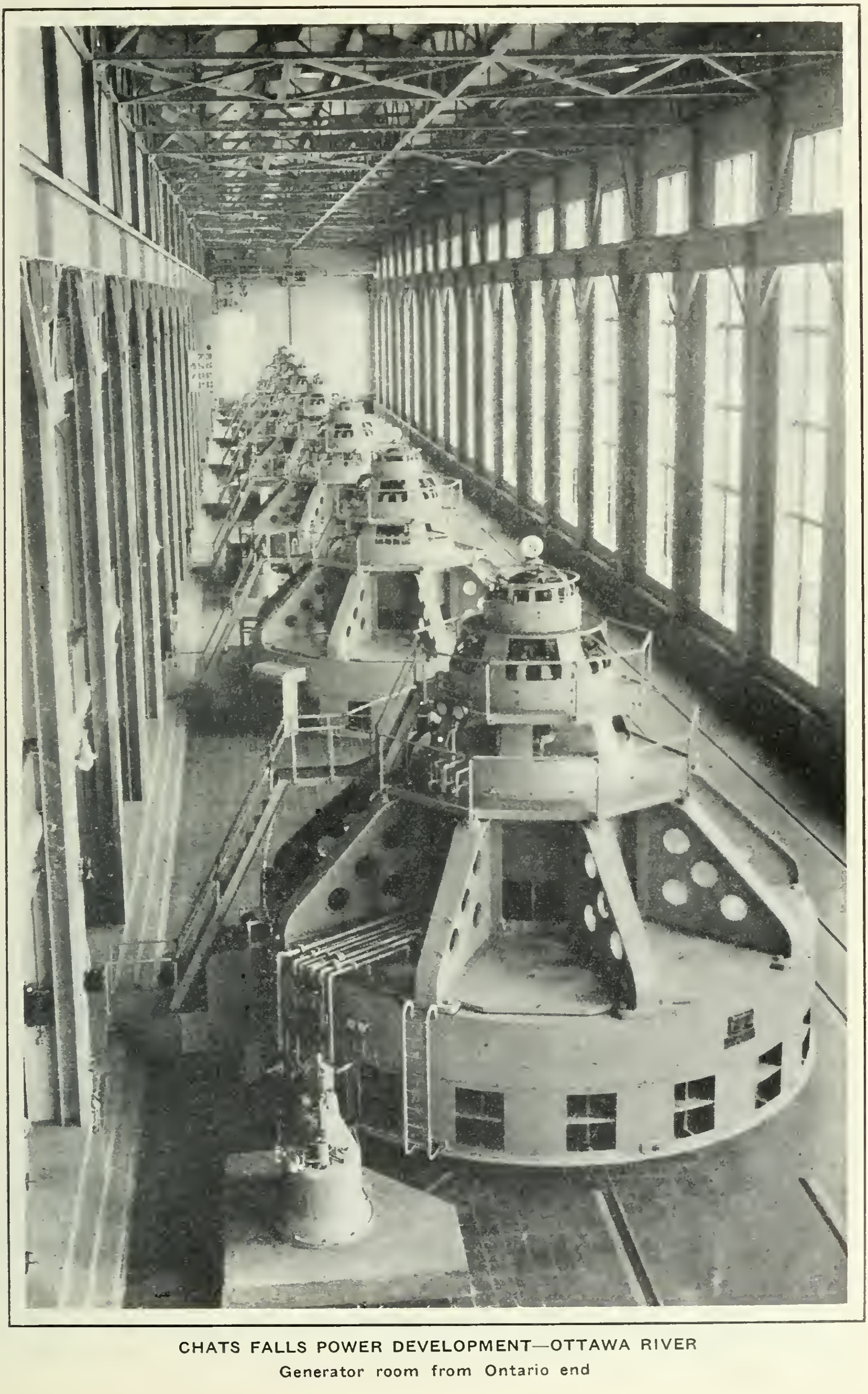
The training wall to the east of the log slide was completed, together with the log slide itself. Gaps left in bulkhead sections, through which trackage passed, were also concreted. The cofferdam and some rock barriers at the Chats

CHATS FALLS POWER DEVELOPMENT—OTTAWA RIVER

Headworks and gantry crane

lake improvement work were all removed before the end of the calendar year 1931. All clearing to high water level was done early in the year. Cribs and booms were in place by December 15, 1931, preparatory to raising the headwater level and to protect the station from floating timber and logs. Construction camps, shops, equipment and trackage have all been cleared away, and the contract with Morrow and Beatty was completed by August 31, 1932. Any minor work of construction is now being done by the Operating department.

During the months of July and September, hydraulic tests were carried out on units 3, 4, 7 and 8, for the purpose of determining the capacity and efficiency of the equipment, and to rate the units in terms of water used. The quantity of water used by each unit at full gate under normal head is in excess of 6,000 cubic feet per second. Accurate measurement of water in any plant with a layout similar to the Chats Falls development, involves difficulties that are accentuated in this case by the large quantities to be measured. The Gibson time-pressure method of measurement was applied, although the supply pipes were shorter than any others upon which the staff had worked by this method. Very consistent results were obtained. Computations and analyses of these results are proceeding at the present time.



CHATS FALLS POWER DEVELOPMENT—OTTAWA RIVER

Generator room from Ontario end

GEORGIAN BAY SYSTEM

Trethewey Falls

Measurements and tests were carried out to determine accurately the capacity of the headpond for various elevations of water.

A conference with the township officials was held in connection with taking over the roads built and diverted in consequence of the development at Trethewey Falls.

EASTERN ONTARIO SYSTEM

Hydraulic tests were carried out at the Heely Falls development on each of the three units, for the purpose of rating the plant. This plant is used as the key plant in rating the Trent river, the flow of the river being determined from measurements of the water passing through the turbines plus that passing over a weir in the main channel of the river. Tests for the same purpose as these were made ten years ago. It is interesting to note that the efficiency and capacity of the units have been well maintained. Meterings were also made at Trent bridge to supplement these tests.

Auburn Plant

An inspection of the canal at the Auburn development, in May, showed that the concrete lining had settled and cracked at certain points, and that the earth fill embankment had been eroded somewhat in these sections. Repairs were made by renewing the fill, replacing the rip-rap to protect the toe, and repairing the concrete canal lining and retaining wall with gunite.

THUNDER BAY SYSTEM

Cameron Falls Development

Alterations were made in the governors on units 1 and 2 at the Cameron Falls development by the addition of dashpot by-pass valves. These units are equipped with governors of the same type as those upon which experiments were made at the Toronto Power plant, some years ago, by the application of the first of these valves. The device was later applied to some of the governors at the Queenston plant, with satisfactory results. The load on the Nipigon system is a type that requires close regulation, a condition that is effected to a greater extent than formerly by the addition of these valves.

CHATS FALLS POWER DEVELOPMENT—OTTAWA RIVER

Improvements in progress at outlet of Chats Lake

CHATS FALLS POWER DEVELOPMENT—OTTAWA RIVER

Deschenes gauge well and shelter near Alexandria Island

Alexander Development

Improvements in regulation in the system were also secured by the addition of a permanent magnet generator on one unit at the Alexander development. The governor flyball heads at this development are driven electrically, and while the electric drive is superior in many respects to the mechanical drives in universal use some years ago, it is open to objection in many cases on account of cost or insufficient protection. Most of these objectionable features are overcome by what is known as the "permanent magnet drive." With this device the flyball motor is driven by power drawn from an auxiliary generator on the main generator shaft, in which permanent magnets provide the auxiliary generator field. Instability, resulting from variations in the field current for the auxiliary generator, is eliminated.

The painting of headgate hoists, turbines and pumps was completed during the year. Construction camp and shop buildings were taken down, and the areas graded and restored in a suitable manner.

Field estimates and mapping of the proposed railway extension to Pine Portage have been completed.

Inspection of the main earth dam revealed no appreciable evidence of leakage.

The rock fill supporting the lower end of the log chute was inspected, and provision made to reduce the erosive effect of high-water discharge over the spillway. Record drawings for this development have been prepared.

Water gauges at various points on the Nipigon river have been inspected and rechecked for elevation.

NORTHERN ONTARIO SYSTEM

Nipissing Development

Drainage for the grade carrying the wood-stave pipe was improved during the year, to prevent undue settlement of pipe.

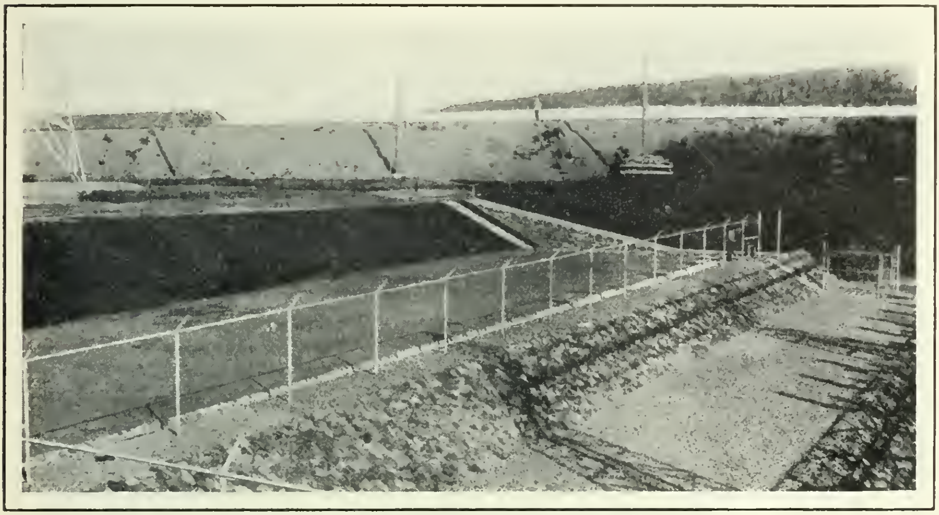
New turbine runners have been designed for the units in this plant. They are approaching completion and will be installed in the near future. The new runners are of bronze, and will replace cast-iron runners installed about ten years ago. No change in turbine casings, supply pipes, or other equipment, is involved.

Elliott Chute Development

A conference was held with the township authorities regarding taking over the roads created and diverted by the development at Elliott chute.

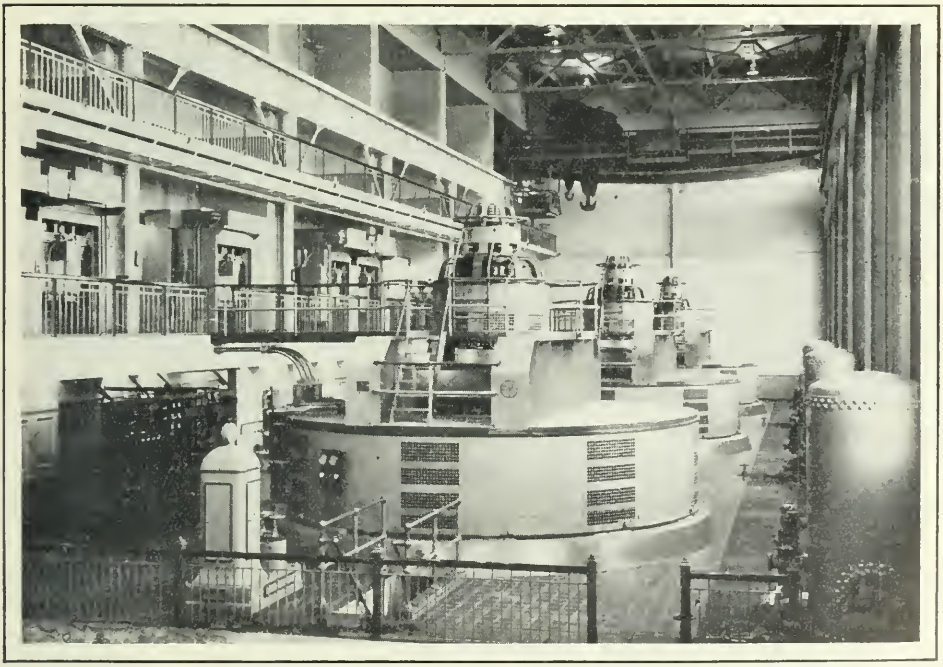
Abitibi Canyon Development

This development is now in the receiver's hands, and certain necessary completion items are being carried out under the direction of the Commission's engineering staff acting for the receiver.



ALEXANDER POWER DEVELOPMENT—NIPIGON RIVER

Trimmed banks and walks, and dam slope to right of power house



ALEXANDER POWER DEVELOPMENT—NIPIGON RIVER

Generator room showing three units aggregating 54,000 horsepower

ELLIOTT CHUTE DEVELOPMENT—SOUTH RIVER
Rip-rap protection to roadway across reservoir

HYDRAULIC INVESTIGATIONS

Detailed estimates and studies have been completed covering the most economical method of adding to the power supply for the Georgian Bay system. Estimates were made of costs of developing power at Ragged rapids and at Bala on the Musquash river, and by increasing pipe-line capacities and the installation of an additional unit at Eugenia. Investigations were also made regarding the economy of obtaining an additional supply of power from the Niagara system

Estimates have been prepared covering repairs to the dams on the Saugeen river at the Walkerton, Hanover and Southampton properties recently acquired by the Commission.

Detailed estimates and reports were made on developments at dams Nos. 4 and 5 on the Otonabee river, covering single- and double-stage developments.

Estimates of cost of developing power on the Mississippi river at Appleton and Blakeney and at Arnprior on the Madawaska river were completed and reports prepared.

Studies and estimates have continued for various schemes of development on the St. Lawrence river.

The slackening of intensive work on engineering and design of developments under construction has permitted attention to be paid to some problems of engineering research of special value in connection with hydraulic structures. Particular attention has been paid to the collection and analysis of data on ice pressure on dams, and on the design of dams.

SECTION V

ELECTRICAL ENGINEERING AND CONSTRUCTION

(STATION SECTION)

NIAGARA SYSTEM

Generating and Switching Stations

Generating Stations on the Niagara River—Additional relays are being installed on the generators at the Queenston generating station for the purpose of improving the stability of the system. Improvements were made in the heating system.

Chats Falls Development—Construction work at the generating station of the Chats Falls development was carried to completion during the year and eight generators are now in operation. The first four were in service in 1931, and the last four were placed in service on October 1, 1932.

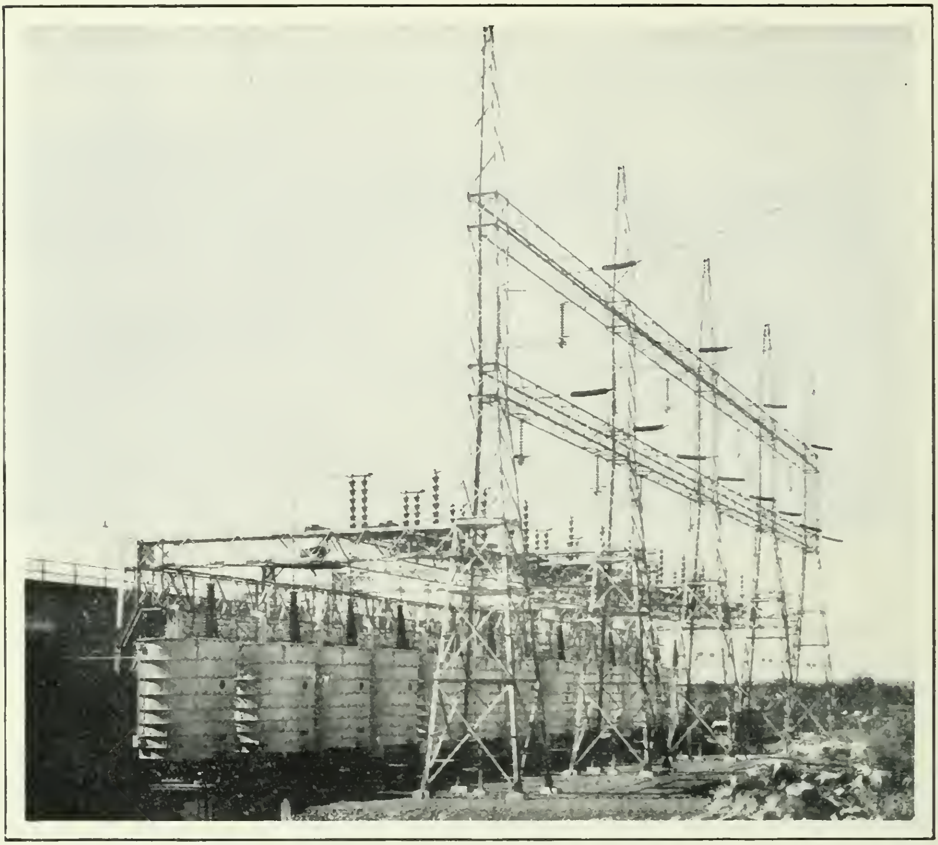
Living accommodation for the operators was provided by the erection of six suitable houses about 1½ miles from the development. The houses are equipped with coal-burning furnaces, water supply from an adjacent well, sewage disposal, and electric wiring and fixtures. The surrounding grounds were improved and the necessary roads constructed.

Beauharnois and MacLaren Developments—As in the past year engineering conferences have been held in co-operation with the Beauharnois Light, Heat and Power Company and the MacLaren Corporation in reference to the design of their respective generating stations, in accordance with provisions in the power purchase contracts. Power was received from the Beauharnois development on October 20, 1932.

Victoria Island Inter-switching Station—The three 220,000-volt current-transformers referred to last year were installed and the station is now complete.

Transformer and Distributing Stations

Chats Falls Transformer Station—Construction of the station which was briefly described in last year's Annual Report was completed during the year. The last two banks of transformers were placed in service on October 1,



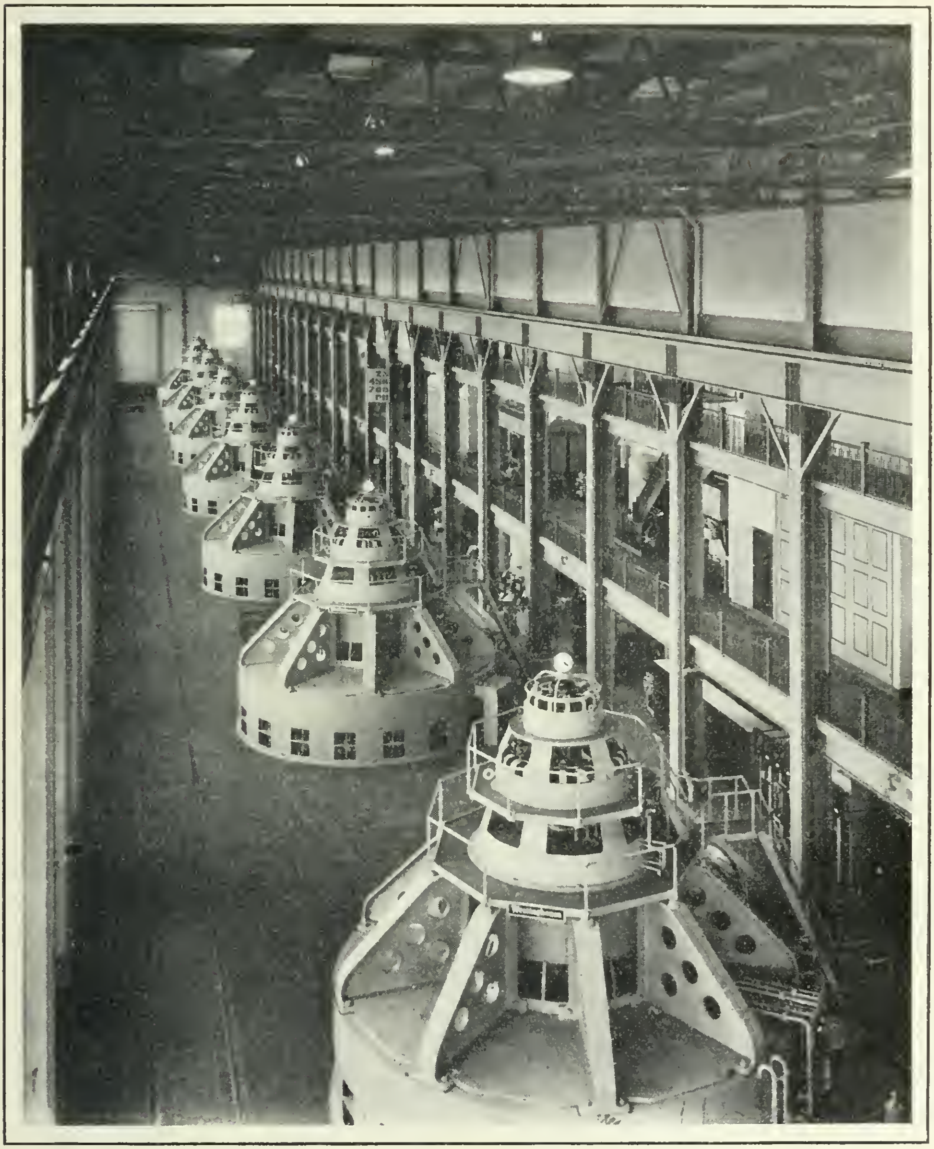
CHATS FALLS TRANSFORMER STATION

View of the 15,700 kv-a., 220,000-volt transformers
A portion of the dam is seen in the background

1932. During the year a third 220,000-volt circuit was connected into the station for the purpose of receiving power from the Beauharnois development.

The power from the Beauharnois development passes through the busses in the station and is transmitted with the power from Chats Falls development to Toronto over the Commission's 220,000-volt circuits. One circuit is connected direct through to Toronto, while another circuit ties into one of the Paugan to Toronto lines at Victoria Island Inter-switching station.

The station has a transformer capacity of 188,400-kv-a. in four banks, there being thirteen 15,700-kv-a., single-phase, water-cooled transformers including a spare unit. Nine 220,000-volt oil circuit-breakers provide the necessary switching for the transformer banks and transmission circuits. Remote control of all circuit-breakers and disconnecting-switches and remote meter indications are provided in the control room of the Chats Falls development. An extensive system of overhead ground wires is installed over all the equipment together with spillway-gaps at vital points for the purpose of protecting the



CHATS FALLS POWER DEVELOPMENT—OTTAWA RIVER

Interior of generating station looking from the Quebec end, showing seven of the eight generators installed

station equipment against high voltages due to lightning. The station is equipped with a very complete relay system which assures rapid clearance of equipment in case of faults.

In order to check the functioning of this relay system, short-circuit tests were successfully applied to the 220,000-volt circuits under normal operating conditions.

Niagara District—At Niagara transformer station changes were made in the 110,000-volt switching equipment. Two new oil circuit-breakers were purchased and installed outdoors on the high-voltage side of the transformer banks and improvements were made on two of the indoor breakers. Two of the older type 110,000-volt lightning-arresters at this station were replaced by two modern units. The breakers which were removed were transferred to London transformer station.

At Port Robinson, a new 450-kv-a. distributing station was erected adjacent to the Standard Steel Construction Company's plant. Three 150-kv-a. single-phase transformers were transferred from Exeter distributing station. The old station in the Company's plant was dismantled.

At the Ontario Paper Company's plant at Thorold, the Commission under contract with the Company is installing a 67,500-kv-a. transformer station to enable the Company to utilize electric power in the manufacture of its process steam.

A bank of three 22,500-kv-a. transformers with spare unit and three 30,000-kw. electric steam generators comprising the main equipment have been purchased and will be ready for service early in 1933. The transformers will receive power from the 110,000-volt lines and step it down to 6,600-volts which will be the voltage on the electrodes. The generators are single-tank, three-phase units for operation at 200 lbs. steam pressure.

Hamilton and Dundas District—At Dundas transformer station, high-speed relaying equipment was installed on four 110,000-volt lines. This is similar to the equipment installed last year on the other 110,000-volt lines at this station.

Three-phase, 4,000-volt metering equipment was installed at Jarvis. Lightning-arresters were installed on the 44,000-volt incoming line to Burlington distributing station.

Toronto and York Districts—At Toronto-Leaside transformer station 220,000-volt lightning-arresters were installed on the high-voltage side of No. 5 and No. 6 banks of transformers. Equipment was also installed at this station for an additional 13,200-volt feeder to the Toronto Hydro-Electric System's Glengrove substation.

Two new 110,000-volt oil circuit-breakers were purchased and installed on the high-voltage lines at Toronto-Strachan transformer station, replacing old lower-capacity breakers. One of the other line breakers was reinforced to increase the rupturing capacity.

At New Toronto distributing station the 3,000-kv-a. transformer purchased last year was placed in service in May and the replaced 1,500-kv-a. unit stored at the station. Two 13,200-volt oil circuit-breakers were replaced by larger capacity breakers and equipment was installed for a third 2,300-volt feeder. A chain-link fence was erected around the outdoor section of the station.

WEST HILL DISTRIBUTING STATION

At West Hill a new semi-outdoor distributing station was erected and placed in service, using a bank of three 250-kv-a., single-phase transformers released from Islington distributing station. At the latter station the original bank was replaced by three new 500-kv-a., single-phase units. The capacity of Aurora distributing station was increased by the installation of a bank of three 500-kv-a., single-phase transformers replacing the three 250-kv-a. units which were transferred into system reserve. At Richmond Hill distributing station additional oil circuit-breaker and feeder equipment was installed; and near the town of Agincourt metering equipment was installed to measure the power supplied to the Unionville area.

London District—The work at London transformer station reported last year is completed and the equipment is in service. Two of the 110,000-volt oil circuit-breakers in the lines were replaced by higher capacity breakers and 110,000-volt potential-transformers and other necessary equipment was purchased and installed to give high-speed relay protection on the high-voltage lines.

A semi-outdoor 750-kv-a. station known as London Trafalgar rural station was erected and placed in service during the year, three new 250-kv-a., single-phase transformers being transferred from system reserve for the installation. The capacity of Exeter distributing station was increased by the installation of a bank of three 250-kv-a., single-phase transformers replacing three 150-kv-a. units which were transferred to Port Robinson distributing station.

Guelph District—Equipment for an additional 13,200-volt feeder was purchased and installed at Guelph transformer station to feed power to the Canadian Gypsum Company. Engineering assistance was given Guelph in the purchase and installation of improved metering equipment. New equipment was installed for metering the Ontario Agricultural College load.

Preston District—A metering station was installed immediately north of the Waterloo rural station to measure that portion of its load fed to the Preston rural district.

Kitchener District—At Kitchener transformer station, No. 2 bank of three 2,500-kv-a., 110,000-volt transformers was replaced by a bank of three 5,000-kv-a. units and with the necessary changes in the switching equipment was placed in service in December, 1931. The replaced transformers were transferred to system reserve and stored at the station. High-speed relaying equipment was also installed on the high-voltage lines at this station.

A metering station was installed immediately west of Waterloo rural station to measure that portion of the station load fed to Baden rural district.

Stratford District—A new station known as Goderich rural station was erected south-east of Goderich to feed the rural district at 8,000-volts. Three 75-kv-a., single-phase transformers obtained from system reserve were rebuilt for outdoor service and used for this installation.

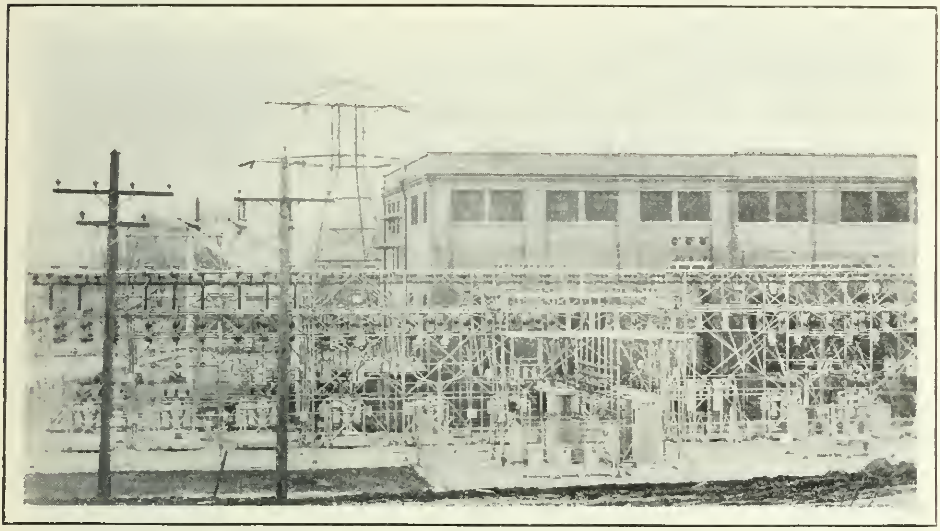
St. Marys District—At St. Marys transformer station three 13,200-volt oil circuit-breakers were replaced by higher capacity units and a transfer bus was installed.

Woodstock District—At Woodstock transformer station a bank of three 1,250-kv-a., single-phase transformers and a spare 2,500-kv-a. unit were installed. The former were placed in the space previously occupied by a 110,000-volt line breaker. Two of the 1,250-kv-a. transformers were formerly held at the station as spare equipment while the other two units were obtained from system reserve. Two 110,000-volt line, oil circuit-breakers situated indoors and an electrolytic lightning-arrester were removed and the breakers replaced by two heavier capacity units which were installed outdoors. The indoor, 13,200-volt switching equipment and switchboard were replaced by more suitable equipment of larger capacity which was made electrically operated. The location of the control room was changed, the relay-protection was improved, new water circulating-pumps, an oil-filter and a storage-battery were installed and necessary changes were made in the building to accommodate them. The 4,000-volt, oil circuit-breakers in the feeders from the Woodstock rural station were replaced by electrically operated units and similar equipment for an additional feeder was installed.

The capacity of Norwich distributing station was increased by the installation of a bank of three single-phase, 250-kv-a. transformers replacing three 150-kv-a. indoor units. The new transformers were purchased from Strathroy and rebuilt for outdoor service, while the replaced units were transferred to system reserve.

At Embro distributing station equipment was installed for a 4,000-volt feeder to supply power to Ingersoll rural district.

St. Thomas District—At St. Thomas transformer station six 110,000-volt potential-transformers and the necessary relays were purchased and installed for use in equipping the high-voltage lines with high-speed relay-protection.



WOODSTOCK TRANSFORMER STATION

Switching structures—13,200 volts

This equipment should be in service early next year. The 110,000-volt oil circuit-breaker on the line to St. Clair transformer station was replaced by a higher capacity breaker transferred from the latter station.

Brant District—At Brant transformer station an emergency bus was installed so that the spare 5,000-kv-a. transformer can be quickly switched into service in case of trouble to any of the present transformers in the bank.

In the Cockshutt and Lorne substations metering equipment was installed to measure the power supplied from the former Dominion Power and Transmission lines to the municipality of Brantford.

Kent District—In Kent transformer station a 1,000 gallon capacity oil storage-tank with connections to the existing piping-system was installed.

The Chatham municipal station was re-equipped with new 26,400-volt and 4,000-volt oil circuit-breakers also new current and potential-transformers for use in metering and relaying from the high-voltage side. A storage-battery was purchased and installed to provide power for the electrical operation of the breakers, and the switchboard was moved to a new location in the building. An emergency 4,000-volt bus with the necessary conduit and control cable was installed, and the lighting system improved.

Essex District—At Essex transformer station a 4,200 gallon capacity oil storage-tank was installed in the basement and connected up to the existing piping-system.

St. Clair District—At St. Clair transformer station the 110,000-volt oil circuit-breaker was removed and transferred to St. Thomas. A 26,400-volt oil circuit-breaker was installed on the low-voltage side of the transformer bank.

At Forest a new station was erected directly across the road from the old station and the three 150-kv-a. transformers which were formerly indoors were rebuilt and transferred to the new location outdoors. A bank of three 75-kv-a. transformers was purchased and installed on the Thedford and Arkona feeder for stepping the voltage up to 8,000 volts. The metering equipment for the latter two places was changed from 4,000 to 8,000 volt service.

GEORGIAN BAY SYSTEM

Severn District—Painswick distributing station was changed from 4,000 to 8,000-volt service. Three 25-kv-a. transformers were replaced at Port McNicoll distributing station by three 50-kv-a. units.

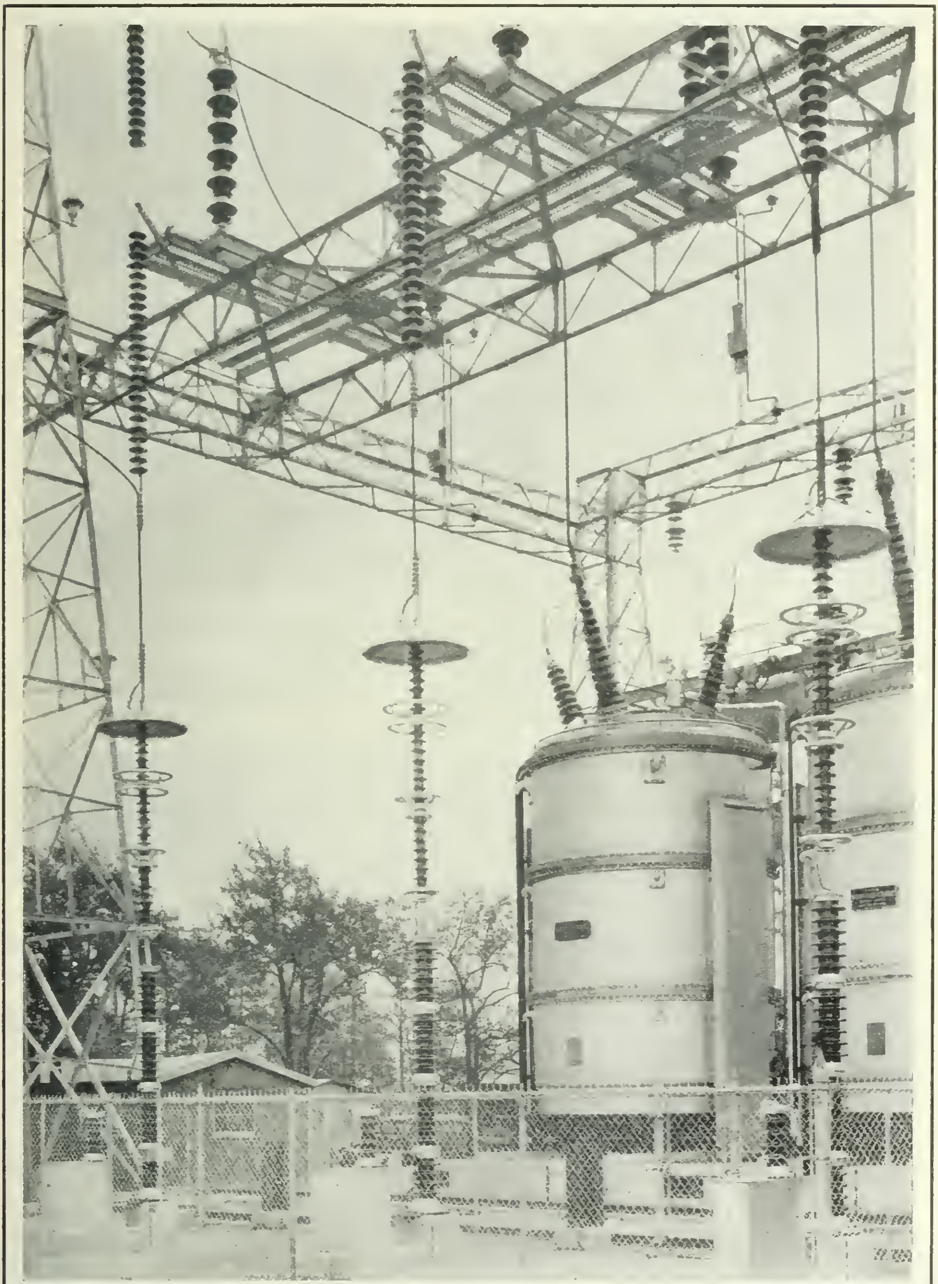
Eugenia District—In Walkerton generating station the switchboard equipment was replaced by more suitable equipment to enable this station to be synchronized to the 22,000-volt system without interrupting service. Two new 2,300-volt feeder equipments were installed to supply the town of Walkerton and Walkerton rural station.

Walkerton rural station was erected outdoors on the generator station site to supply power to Bruce rural district at 4,000 volts. Three new 75-kv-a. transformers were purchased and the installation completed. Near Mildmay a metering station was installed to meter the load in that district. At Hepworth distributing station the two 50-kv-a. transformers were replaced by a new 100-kv-a. single-phase transformer. The replaced transformers were transferred to Callander. At Elmwood distributing station the three-phase, 50-kv-a. transformer was replaced by a three-phase, 75-kv-a. unit obtained from system reserve. The replaced unit was transferred to system reserve. At Orangeville distributing station three 250-kv-a. transformers were purchased and installed, replacing three 150-kv-a. units which were transferred to Capreol municipal station. All the 22,000-volt switching equipment was moved outdoors and high-voltage lightning-arresters installed. At Berkeley, a single-phase, 50-kv-a., 22,000-volt station was erected, a new transformer being purchased for the installation. At Dundalk distributing station lightning-arresters were installed on the 22,000-volt line. A metering station was installed to meter the rural load supplied from Port Elgin distributing station.

The Hanover distributing station which formerly received power from the 22,000-volt system was reconstructed to receive 4,000-volt power from the 4,600-volt bus in the frequency-changer station through a 4,600/4,000-volt bank of transformers. A bank of three new 500-kv-a., 4,600/2,400-volt transformers and spare unit with the necessary 4,000-volt switching equipment was purchased and installed for this purpose at the frequency-changer station. All the 22,000-volt equipment was removed, and the original 750-kv-a. transformer was transferred to system reserve.

Wasdells District—At Wasdells rural station the bank of three 37.5-kv-a., single-phase transformers was replaced by a bank of three new 75-kv-a. transformers. The Georgina rural metering station was dismantled and Beaverton rural metering station installed to meter the power supplied to the Beaverton rural district.

Muskoka District—An adequate office room with telephone facilities was installed in the South Falls generating station. Additional ground rods were installed and the 38,000-volt neutral grounded.



TORONTO–LEASIDE TRANSFORMER STATION

220,000-volt lightning arresters on No. 6 transformer bank.

A 300-kv-a. outdoor station known as Falkenburg distributing station was installed north of Bracebridge. A bank of three new 100-kv-a. transformers was purchased together with the necessary switching and metering equipment.

Bala District—A bank of three 75-kv-a., single-phase transformers was transferred from Walkerton transformer station and installed at Port Carling distributing station replacing six 15-kv-a. transformers which were transferred to system reserve. The capacity of the switching and metering equipment was correspondingly increased.

EASTERN ONTARIO SYSTEM

110,000-volt Transformer Stations—At Frontenac transformer station a spare 5,000-kv-a. transformer similar to the present units was purchased and installed.

As the demand for three-phase power at Forfar distributing station is discontinued one of the 500-kv-a. transformers was removed from service and transferred into system reserve.

Central Ontario District—At Dam No. 8 generating station the 44,000-volt neutral was grounded and the relay system augmented. At Fenelon Falls generating station a grounding bank of transformers was installed to provide grounded neutral service to Fenelon Falls rural power district.

At Auburn switching station two 44,000-volt air-break switches were installed to tie in the new 44,000-volt circuit from Peterborough municipal station to the Auburn switching station bus or if necessary direct to the 44,000-volt line to Heely Falls generating station.

At Oshawa distributing station additional metering and switching equipment was installed. A 4,000-volt feeder was installed in Whitby municipal station to supply power to Oshawa rural power district. A metering station was installed south of Lakefield distributing station to measure the load fed to the Lakefield rural power district. Belleville distributing station No. 2 was rearranged for 4,160-volt service instead of 2,400-volt as formerly.

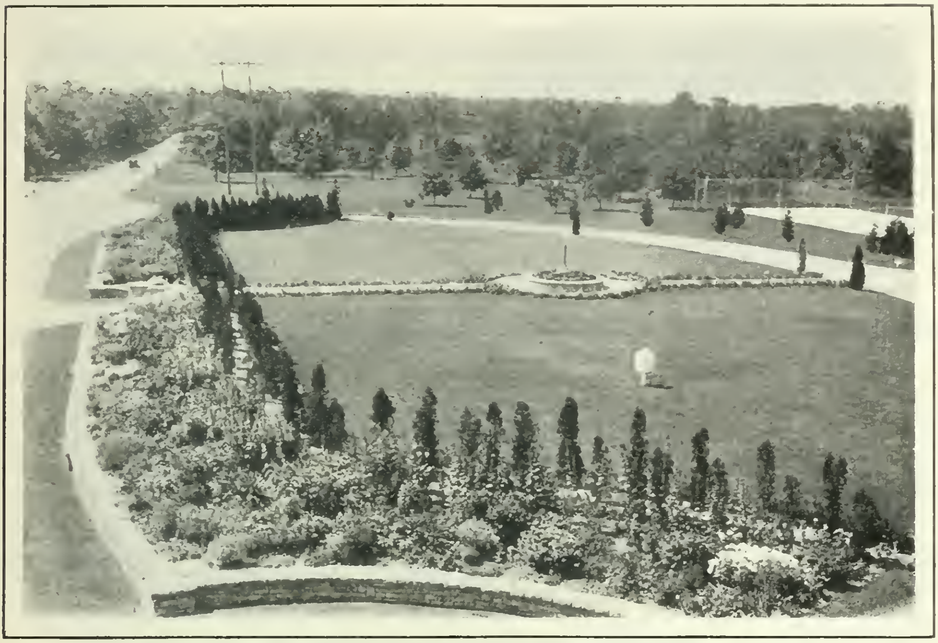
At Colborne rural station two 50-kv-a., 2,300/4,600-volt transformers were purchased and installed to supply 8,000-volt power to Grafton and Castleton.

At Omemee distributing station the bank of three 40-kv-a. transformers was replaced by three 50-kv-a. transformers obtained respectively from Balderson distributing station, Williamsburg distributing station and system reserve. The 40-kv-a. transformers were rebuilt into 75-kv-a. units and will be transferred to Maxville where a new distributing station is being erected.

St. Lawrence District—At Cornwall transformer station equipment was installed to permit synchronizing operations on the 44,000-volt circuits.

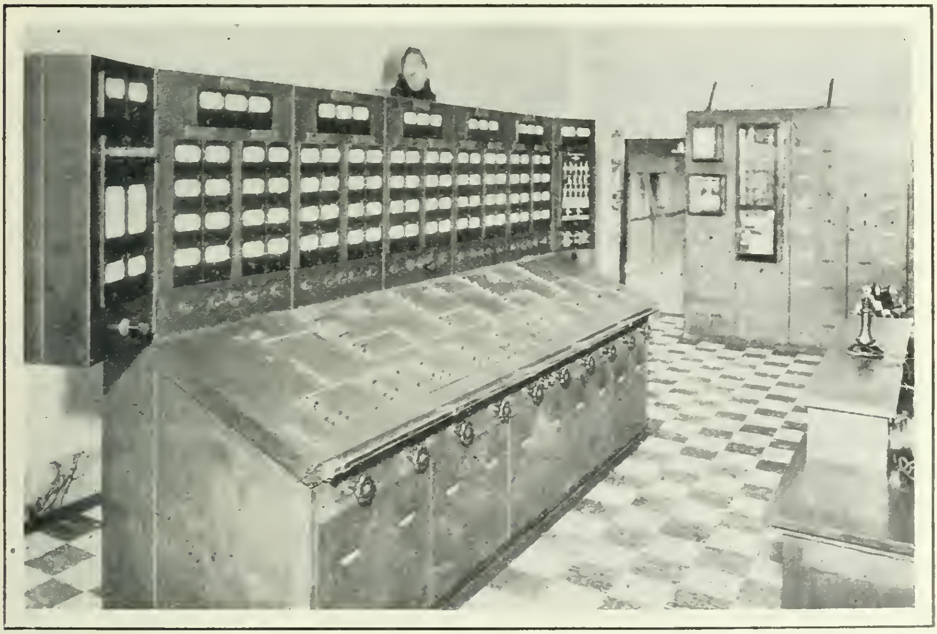
At Williamsburg distributing station the 50-kv-a. transformer was replaced by a 100-kv-a. unit obtained from system reserve. The replaced transformer was transferred to Omemee. An additional 2,400-volt feeder and 44,000-volt lightning-arrester were also installed.

Rideau District—At Perth distributing station a 750-kv-a., three-phase transformer transferred from Rideau transformer station was installed and placed in service. At Balderson distributing station the 50-kv-a. transformer



QUEENSTON-CHIPPAWA POWER DEVELOPMENT—NIAGARA RIVER

View of the beautiful grounds adjacent to the forebay and screen house on the top of the Niagara escarpment



CHATS FALLS POWER DEVELOPMENT—OTTAWA RIVER

View of control room showing control and meter board was replaced by a 150-kv-a. unit obtained from system reserve. The replaced unit was transferred to Omemee.

Madawaska District—Metering equipment was installed in the Braeside feeder at Arnprior distributing station.

Ottawa District—A new 600-kv-a., 11,000/8,000-volt station was installed on the site of the Ottawa transformer station replacing the Carlington distributing station (formerly known as Nepean rural station). The 200-kv-a. transformers in the latter station were reconnected from 2,300 to 11,000 volts and an 11,000-volt oil circuit-breaker obtained from system reserve. The new station is known as Ottawa rural station and supplies power to the rural district around Ottawa.

THUNDER BAY SYSTEM

Generating Stations on the Nipigon River—The remote control equipment for the operation of Alexander power development from Cameron Falls generating station was placed in service during the year. An incinerator was installed at Cameron Falls to provide for the disposal of all garbage from the operators' settlement.

Transformer and Distributing Stations—For metering the load to the Port Arthur rural power district, metering equipment was purchased and installed on a pole structure.

NORTHERN ONTARIO SYSTEM

Nipissing District—At Nipissing generating station a permanent brick end-wall with concrete plinth was erected, replacing the original wooden wall. Improvements were made in the building to insure against flooding of the station and to provide safety features for the operators. The lighting system was improved, the old lightning-arresters were replaced by more modern type and changes were made in the switching and metering equipment.

At Callander a 150-kv-a. outdoor station was erected to supply the Canadian Timber Company with power at 575-volts. Two 50-kv-a. transformers released from Hepworth distributing station and one obtained from system reserve were used for the installation.

Sudbury District—A new 450-kv-a. outdoor station was erected for the municipality of Capreol, using three 150-kv-a. transformers released from Orangeville distributing station.

Abitibi District—Co-operation with the Ontario Power Service Corporation in reference to engineering details in the design of its generating station at Abitibi Canyon was carried out in accordance with the provisions of the power contract.

Patricia District—The ventilation of the generator and station at Ear Falls development was improved.

ADMINISTRATION BUILDING

Drawings and specifications were prepared in co-operation with Architects and Consultants for an eighteen-storey Administration building adjacent to the present building at 190 University Avenue. Plans incorporating a structural steel frame, also an alternative design for a reinforced concrete frame were issued and request for tenders advertised on October 1.

SECTION VI

TRANSMISSION, DISTRIBUTION AND RURAL SYSTEMS

TRANSMISSION SYSTEMS

The work carried on by the Commission's transmission section has been reduced to a minimum during the past year. The principal work completed was the construction of 100.16 miles of 220,000-volt, steel-tower line between the Quebec boundary, near the St. Lawrence river, and Chats Falls transformer station.

The usual work in connection with the lower voltage, wood-pole lines has continued. This consists chiefly of rebuilding and restringing where lines have reached a point at which this is necessary.

Progress is evident in the improvement of the Commission's telephone circuits, especially the longer lines, care being taken to closely co-ordinate the telephone lines with the power circuits where they parallel.

Work has continued in keeping telephone and railway crossings throughout the systems strengthened in conformity with specifications of the Board of Railway Commissioners.

The following synopsis relates to the work undertaken during the year. At the back of this report a map showing all power lines is included and relative data are tabulated in Appendix II.

NIAGARA SYSTEM

220,000-volt Lines

Between a delivery point on the Ontario-Quebec boundary and Cumberland switching station, a distance of 54.75 miles, and between Cumberland switching station and Chats Falls transformer station, a distance of 45.41 miles, construction was completed of a single-circuit, 220,000-volt, steel-tower line. This line is similar to the other 220,000-volt lines built by the Commission and provides transmission facilities to take the first part of the Beauharnois contract. Cumberland switching station is designed and located to form a junction point for a line which is being constructed from the MacLaren power sites on the Lievre river.

110,000-volt Lines

Absorber rods were added to 110,000-volt circuits between Allanburg and St. Thomas, 103.6 miles. These rods were designed to reduce as far as possible, the damage which is being done to the conductors at suspension points, due to vibration.

Service to Oakville was improved by utilizing one of the idle 90,000-volt circuits at 44,000 volts between Gages switching station and a point north of Oakville. Short stretches of new 44,000-volt line were built from this circuit to connect the stations at Burlington, Port Nelson, Bronte and Oakville.

26,400-volt Lines

At Harriston distributing station the old type of line switches were replaced by modern air-break switches. Between Stratford transformer station and Tavistock, 9.72 miles, the line was reconditioned; this work included the replacement of the No. 6 iron conductor with No. 6 steel-reinforced aluminum conductor and the removal of the ground cable.

The 26,400-volt services out of Stratford transformer station toward Sebringville, consisting of 3 circuits of 3/0 steel-reinforced aluminum conductor and 2 telephone circuits, were revised so that the new length is 1.18 miles. The new lines were built on private right-of-way. The old line, 1.71 miles, which was on roadways, was removed.

At Ridgetown junction and Prince Albert junction old type air-break switches were replaced by switches of a more modern design. Between Waterford junction and Port Dover junction, 6.79 miles of line were rebuilt, and between Brantford Sand and Gravel junction and Brantford municipal station, 3.5 miles of defective ground cable were replaced.

Between Watford and Alvinston distributing stations, Watford junction and Watford distributing station, Wyoming junction and Watford junction, Forest junction and Wyoming junction, Forest junction and Petrolia distributing station, Ontario Supply Company junction and Sarnia junction, guys were added in order to strengthen the lines.

Between Watford junction and Forest distributing station, defective insulators and crossarms were replaced and the No. 6 iron conductor was replaced by No. 2 steel-reinforced aluminum.

Other Lines

Between Danforth junction and the new West Hill distributing station, 7.25 miles of single-circuit, 13,200-volt line were constructed.

Old type switches were replaced by new at Dundas transformer station in conjunction with rearrangement of lines in the station yard.

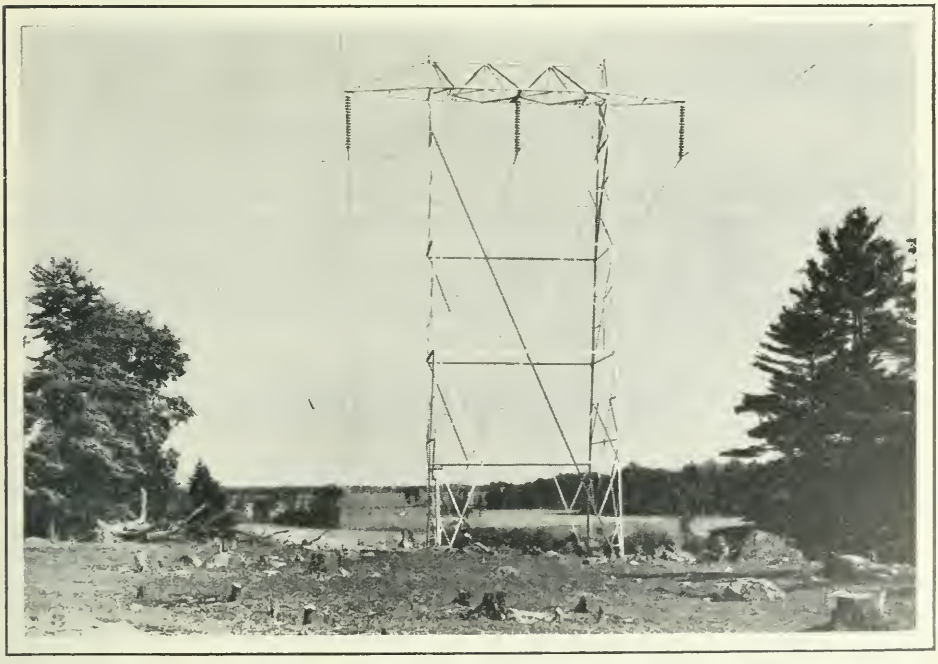
Between Dundas transformer station and Dundas municipal station, 1.5 miles of double-circuit, 13,200-volt line were strengthened by the addition of guys and replacement of defective insulators.

Between an existing 13,200-volt steel-tower line and Aberdeen station at Hamilton 0.5 mile of double-circuit, wood-pole line was built, using a power conductor of 4/0 copper. Connections were made to the new 13,200-volt Trafalgar rural station at London.

Between Fergus junction and Elora, a portion of the 13,200-volt line was rebuilt and an entrance structure and connections were completed to accommodate the new station at Ontario Agricultural College at Guelph.

HYDRO 220,000-VOLT TRANSMISSION LINES

Beauharnois line crossing over Gatineau line looking south-west



HYDRO 220,000-VOLT TRANSMISSION LINES

Beauharnois line looking east from tower 251

Between Woodstock transformer station and Norwich distributing station portions of the double-circuit 13,200-volt line were relocated on account of highway revisions.

Between St. Thomas transformer station and Port Stanley distributing station 12.27 miles of ground cable were removed. This had become defective and created a hazard to the operation of the line.

The extension of the Woodbridge single-circuit line to the location of the new distributing station was completed.

GEORGIAN BAY SYSTEM

Eugenia District

Between Priceville distributing station and Hanover junction, 6 poles were moved in accordance with road straightening operations.

Old type air-break switches were replaced by a modern type at Chatsworth and Durham distributing stations.

Between Southampton generating station and Tolmie junction 12.25 miles of 11,000-volt line were removed. This line formed part of a system purchased by the Commission and a better means of transmission was available.

Between Hanover switching station and Hanover distributing station 0.56 mile of 22,000-volt line was converted to 4,000-volt in order to serve this station more economically.

Severn District

Between Coldwater junction and Elmvale junction, 25 poles were moved from the north to the south side of the road to eliminate two objectionable telephone line crossings.

Muskoka District

A new line entrance structure was built and connection made to the new Falkenburg distributing station.

EASTERN ONTARIO SYSTEM

At the request of the township of Nepean two steel towers in the 110,000-volt line between Boundary junction and Ottawa junction were moved to private right-of-way.

In accordance with the railway act the north side of leased railway property was fenced between the west side of Dawes road and the east side of Humbolt avenue in the vicinity northeast of Toronto.

NORTHERN ONTARIO SYSTEM

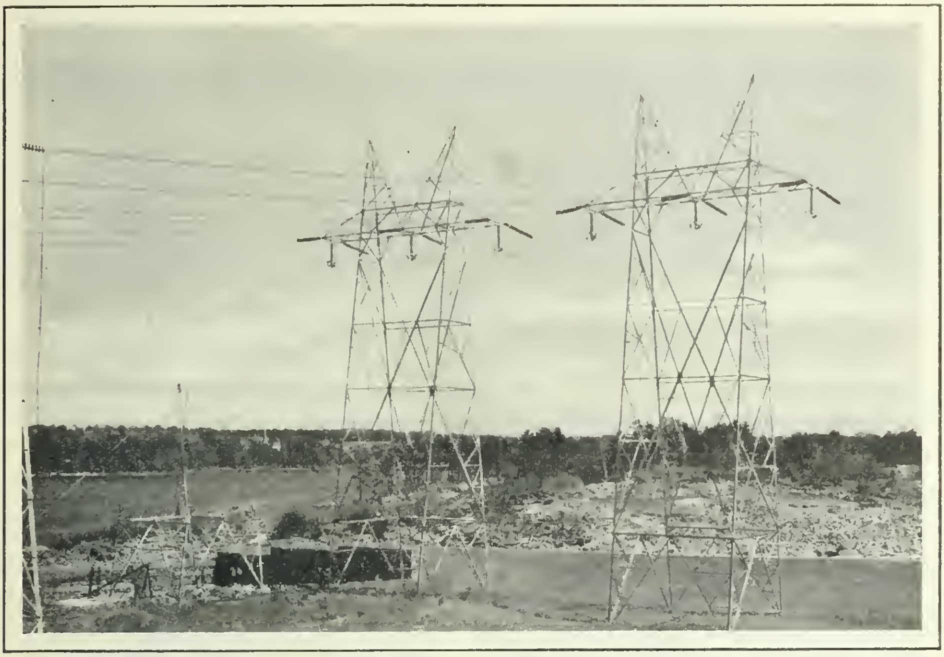
Sudbury District

Between a point on the line to Capreol and a new municipal station at Capreol, 0.35 mile of 22,000-volt transmission line was built by the Commission for that municipality.

In the vicinity of Waterfall 1.4 miles of 22,000-volt line were moved away from the Wanapetei river bank in order to eliminate the hazard created by spring flooding of the river.

Nipissing District

Between Nipissing generating station and Bingham Chute junction 1.02 miles of 22,000-volt line were removed to a more suitable route on roadways.



HYDRO 220,000-VOLT TRANSMISSION LINES

Beauharnois line terminal towers at Chats Falls

(See also frontispiece)

TELEPHONE LINES—ALL SYSTEMS

A portion of the Gatineau circuit near the Ottawa river was retransposed so as to improve communication conditions over this line.

Between Allanburg junction and Dundas transformer station in the township of Glanford the telephone line was relocated and the old conductor was replaced by No. 9 copper.

Rearrangement of short stretches of the communication lines between Dundas and Brant, Brantford and Woodstock, London and St. Thomas transformer stations, were completed to accommodate rural power circuits.

Between Brant Sand and Gravel junction and the L.E. & N. railway junction at Brantford, 4.65 miles of No. 10 copper-clad steel were replaced by No. 9 copper conductor.

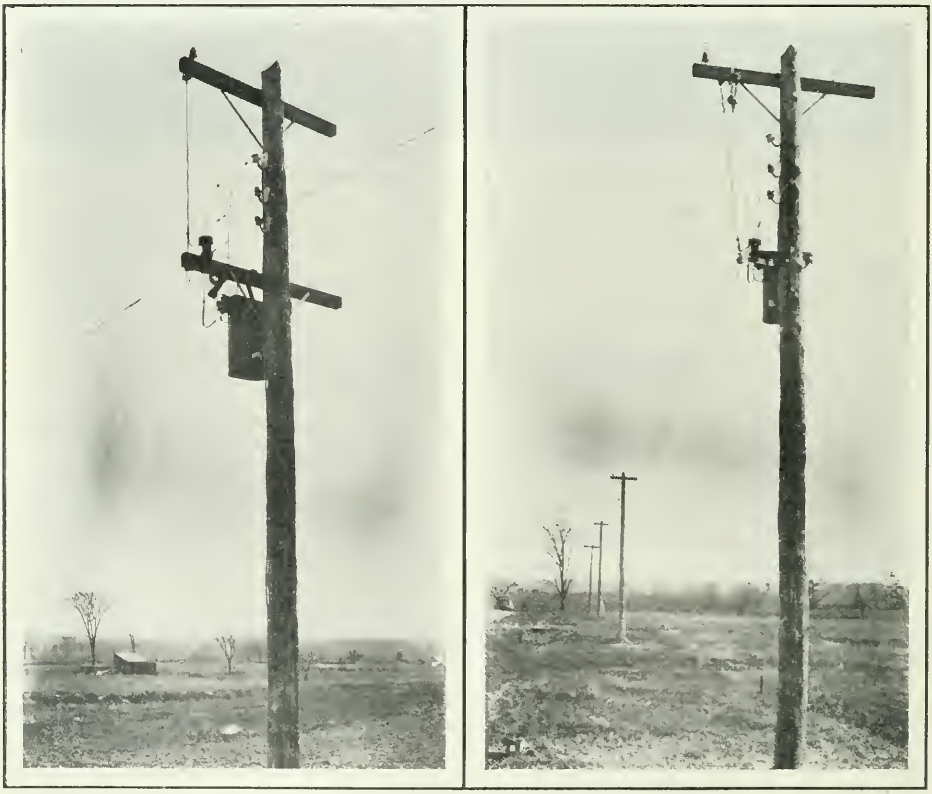
Part of the telephone line between Cooksville and York transformer station was moved from roadways to the former T.N.P. right-of-way. This relocation was made, due to the construction of the third highway west from Toronto. The new portion, 3.10 miles, was strung with No. 6 steel-reinforced, aluminum conductor.

DISTRIBUTION LINES AND SYSTEMS

In Appendix III is shown in tabular form the work carried on during the year ended October 31, 1932, by the Distribution section of the Electrical Engineering department.

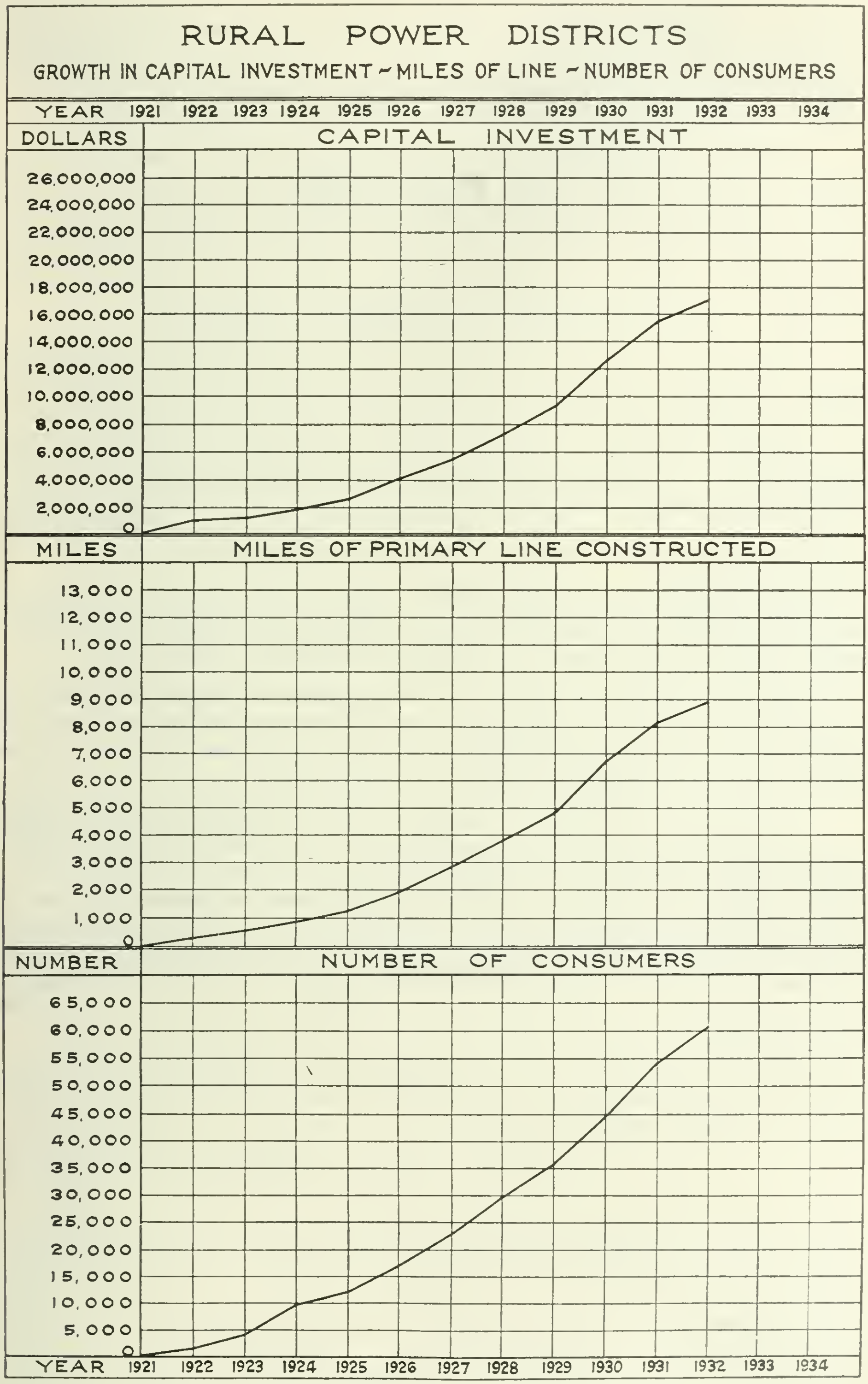
The Distribution section is responsible for the capital expenditure and engineering on all rural lines and, in general, on transmission lines which operate at a voltage of less than 13,200 volts. On request, engineering assistance is given to municipalities and outside companies. As a matter of expediency, the Distribution section does the engineering work involved in the erection of certain pole-type metering and transformer stations.

During the past few years a large amount of study has been given to methods of lowering the resistance of ground electrodes as one means of reducing hazards to life and equipment. This is particularly applicable to rural lines where the



RURAL ELECTRICAL SERVICE—TRANSFORMER MOUNTINGS

An interesting development of the past year is the use of a metal hanger bracket for transformer mounting to take the place of the wood crossarm previously used. The use of this bracket has resulted in cheaper transformer installations of more pleasing appearance. The pictures shown above illustrate the two methods of mounting a rural transformer.


RURAL POWER DISTRICTS
GROWTH IN CAPITAL INVESTMENT ~ MILES OF LINE ~ NUMBER OF CONSUMERS
YEAR
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
DOLLARS
CAPITAL INVESTMENT
26,000,000
24,000,000
22,000,000
20,000,000
18,000,000
16,000,000
14,000,000
12,000,000
10,000,000
8,000,000
6,000,000
4,000,000
2,000,000
0
MILES
MILES OF PRIMARY LINE CONSTRUCTED
13,000
12,000
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
NUMBER
NUMBER OF CONSUMERS
65,000
60,000
55,000
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
YEAR
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934

absence of water mains makes it difficult to obtain a ground connection of low resistance. Tests have been made on the resistance of some 18,000 grounds and specifications for the necessary improvement have been issued in 44 rural power districts in which there are some 8,000 ground connections. Of these, some 5,200 ground connections now meet the standard of 25 ohms or less.

In order to obtain definite information as to the effects of the soil, seasonal weather conditions, types of electrodes and methods of treatment on ground terminal resistance, test stations have been installed near Toronto where periodic tests are being made. Four test stations were installed in different soils namely, sand, gravel, clay and rock. At each of these stations, twelve different terminals were installed. These terminals include driven rods and pipes and buried strip and mesh. Some of the terminals are treated with various salts.

Weekly tests of the resistance of each terminal are made and it is anticipated that, at the end of a year's testing, the results obtained will materially assist in determining the most effective type of electrode to use in each class of soil.

During the past year, standard specifications have been prepared covering the installation of that part of the consumers' service line between the Commissions' line, which is usually on the highway, and the consumers' buildings. It is expected that this will lead to a higher standard of construction than has obtained in the past.

A field inspection has been made of railway and telephone crossings on distribution feeder lines which have been in service since 1918, and the work of bringing these crossings up to a satisfactory condition is under way.

During the past year this section has worked in conjunction with fuse manufacturers in the development of a universal fuse which can be used with all types of fused cutouts. This fuse is now being used and considerable improvement in operating conditions has been reported.

When the first rural lines were constructed, the distribution voltage in general use was 4,000/2,300 volts which was satisfactory for the areas originally developed. The extension of rural lines into more sparsely settled districts made the use of higher voltages necessary for economical transmission of power. The use of 8,000/4,600 volts, where necessary has proved satisfactory although, in the past year, developments on Manitoulin island and in the area east of Bracebridge in the Muskoka district involved distances beyond the economical limit of 8,000/4,600 volts. In these districts, a distribution voltage of 12,000/6,900 volts was used.

SECTION VII

TESTING—RESEARCH—INSPECTION

The report of the Testing and Inspection department is this year presented in a form somewhat different from that in which it has previously appeared. The material is classified according to the nature of the work rather than under the several divisions of the Department. This permits of a more concise statement of its activities.

The Testing and Research Laboratories comprise the Electrical Laboratory, Engineering Materials Laboratory, Chemical Laboratory, Illumination Labratory, and the Photographic and Blue Print branches. The Approvals Laboratory is charged with the duty of administering the Rules and Regulations of the Commission governing electrical equipment. It is composed of a staff of laboratory engineers and factory inspectors; the former are engaged almost entirely in making laboratory tests and the latter in making inspections in the factories and in the field. The Electrical Inspection division is responsible for the administration of the Rules and Regulations of the Commission governing electrical installation. It is organized in districts covering the entire Province, in each of which one or more inspectors are stationed.

In the Testing and Research Laboratories, the routine testing has continued to increase during the year. The inspection of equipment purchased by the Commission has decreased materially especially during the latter part of the year. This decrease has synchronized with the completion of the Chats Falls generating station and transmission lines and of the Beauharnois and Abitibi transmission lines.

The research projects under way are not fewer than in the previous year, and there is no reason why they should be since the necessity for investigation is not measured by the industrial situation but by the needs of the Commission in its operations. As a matter of fact the present situation, which has placed the Commission in possession of a large amount of surplus power, has given rise to one or more investigations of primary importance.

The work of the Approvals Laboratory will be enlarged next year by reason of the withdrawal by Underwriters' Laboratories of its approval testing service respecting electrical equipment in Canada. This step will be taken by Underwriters' Laboratories on January 1, 1933, and is the result of the expressed desire on the part of Canadian manufacturers to have the approval testing and labelling of their product carried on by a Canadian laboratory. The Commission will co-operate with the Canadian Engineering Standards Association in this work and in the preparation of specifications for the guidance of the Approvals Laboratory. Underwriters' Laboratories will also continue to co-operate, as in the past, with the Commission and with the Canadian Engineering Standards Association in the exchange of information and of standards. The principal products involved in this change are wire, cable and conduit.

The revenue from fees in the Electrical Inspection division has decreased as was to be expected in view of the continued depression in the building industry.

TESTING AND RESEARCH LABORATORIES

The work of the Testing and Research Laboratories may be grouped into several classes, according to the purpose for which the desired information is to be used. In the first class are routine tests made on samples of materials or manufactured articles to determine whether or not they meet the specifications under which they were purchased. In the second class are investigations of new materials and processes with the view to check the claims made for them and to determine their applicability to the Commission's work. The third class includes tests to determine the causes of and remedies for difficulties that arise in the construction and operation of the Commission's properties, and investigations to find improved methods or better materials, to eliminate operating hazards and to develop new uses for power. Some of these involve original research.

Statistical and Routine Work

During the year, the Electrical Laboratory made 16,027 tests, the Chemical Laboratory 1,497, the Engineering Materials Laboratory 1,762, and the Photometric Laboratory 17,483. The Blue-Printing branch completed 4,736 orders, and made from 13,126 tracings 93,100 prints of a total area of approximately 300,000 sq. ft.; the Photographic branch completed 664 orders for developing, printing, enlargements, copying, lantern slides, etc., and the taking of pictures, both still and movie, in studio and field. The principal products involved in the tests made by the laboratories were insulating oils, linemen's rubber gloves, insulating blankets, wire and cable, electrical meters of all kinds, miscellaneous insulating materials, cement, concrete, transmission line materials, such as cable joints and suspensions and line hardware, lubricating oils, paints, metals of all kinds, luminous lighting units and automobile headlamps.

These tests made demands upon all the testing equipment in the laboratory and upon the ingenuity of the staff in modifying equipment for particular uses and in devising new equipment when necessary. The volume of this work was approximately the same as that of last year.

Inspection Work

The volume of inspection work was well maintained for the first part of the year but was substantially less during the latter part owing to the completion of the different power developments that had been under construction.

Transmission Line Materials

Materials for transmission line construction necessitated a large amount of detailed inspection. Articles, such as bolts, cross arms, cross-arm braces, top pins, brackets, galvanized guy wire and clamps, copper conductors, and other materials used for low-tension distribution lines are regularly inspected. Material used for high-tension lines such as tower steel, line conductors, line fittings, insulators are given careful attention.

During the past year the Laboratory supervised the creosoting of some 6,200 red pine and jack-pine poles. In such work it is necessary to know that the wood is properly seasoned, that the necessary absorption and penetration is obtained and that the creosote oil meets the requirements. In this particular work about 77,000 gallons of creosote were used.

Equipment

The method followed in inspecting equipment for use on the Commission's power houses and stations has been explained in previous reports. This is very thorough and the aim in view is always to obtain the best possible material and workmanship. During the year, the department inspected five turbines of total capacity 330,000 h.p., 890 transformers of capacity 920,000 kv-a., 52 oil circuit-breakers of capacity 7,248,000 kv-a., 20 generators and motor-generator sets of capacity 540,000 kv-a. These items of equipment were used in the plants constructed by the Commission or in those plants from which the Commission is to receive power under its contracts.

Special Mention

The inspection of welding has been given special attention. During the year, approximately 200 welded tanks for transformers, circuit breakers and oil storage were inspected. The welding of rotors, stator frames and generator bearing brackets was also carefully inspected.

The department is required to make periodic inspections of all major concrete structures belonging to the Commission for the purpose of detecting incipient deterioration. During the year, several such inspections were made including the three generating stations and related structures at Niagara Falls, the nine plants of the Central Ontario system, those at Calabogie, Galetta, High Falls, and Wasdells Falls, and the dam at Eugenia.

Research

The classification of research work for the department is given in the introductory paragraph above. It involves investigations in the electrical, physical and chemical field and deals with the properties of materials, phenomena in electrical circuits, remedial measures for observed phenomena and allied problems.

New Methods and Materials

It is essential that the Commission be kept fully informed of new developments in materials and methods that might be useful to it. Work of this kind carried out during the year has related to methods of splicing wire and cable; mechanical clips for low-tension lines; devices for fastening apparatus to concrete and masonry surfaces; linemen's climbers; paints claimed by their manufacturers to have special properties or to be superior to those in regular use; thermal insulation for steam boilers; clamps, vibration dampers and other line materials; strain insulators; welding rods, and cement having high early strength.

Investigation of Troubles

This type of investigation is almost infinite in variety and the problems attacked often require considerable ingenuity in their solution. Among the problems of this type attacked during the past year, for which satisfactory solutions were obtained, may be mentioned the following:

Brittleness in a new malleable iron suspension clamp was found to be due to galvanizing.

The failure of nuts on bolts used on turbine runners at Queenston was found to be owing to the wrong composition of the metal used.

Sixteen different deposits in insulating oil were examined to determine the cause and the remedy.

Examination of several insulating oils found to be high in acid, led to recommendations that they be reconditioned or discarded.

Comparative studies of mechanical clips used in low-tension line construction.

Metallurgical examination of cast-steel rotor to determine the character of the metal in section in which defects appeared.

Investigations Leading to Improvements in Methods or Materials

The following studies were made in connection with problems submitted to the department:

Metallurgical examination of metal parts involved in fatigue failures to determine to what extent the character of the metal was the cause.

Studies of the prevalence of "ghosts" or ferrite segregations in large steel generator and turbine shafts. Thirty shafts were examined.

The use of unannealed cold-headed tower bolts. They were found to be satisfactory if the material used was properly processed and carefully tested.

Comparative studies of the different grades of material used in making steel window sash to determine their resistance to corrosion.

Elimination of defects occurring in transmission tower steel galvanized by the hot-dipped process. The cause of these defects has not been completely determined but improvement has been made in the quality of the zinc coating.

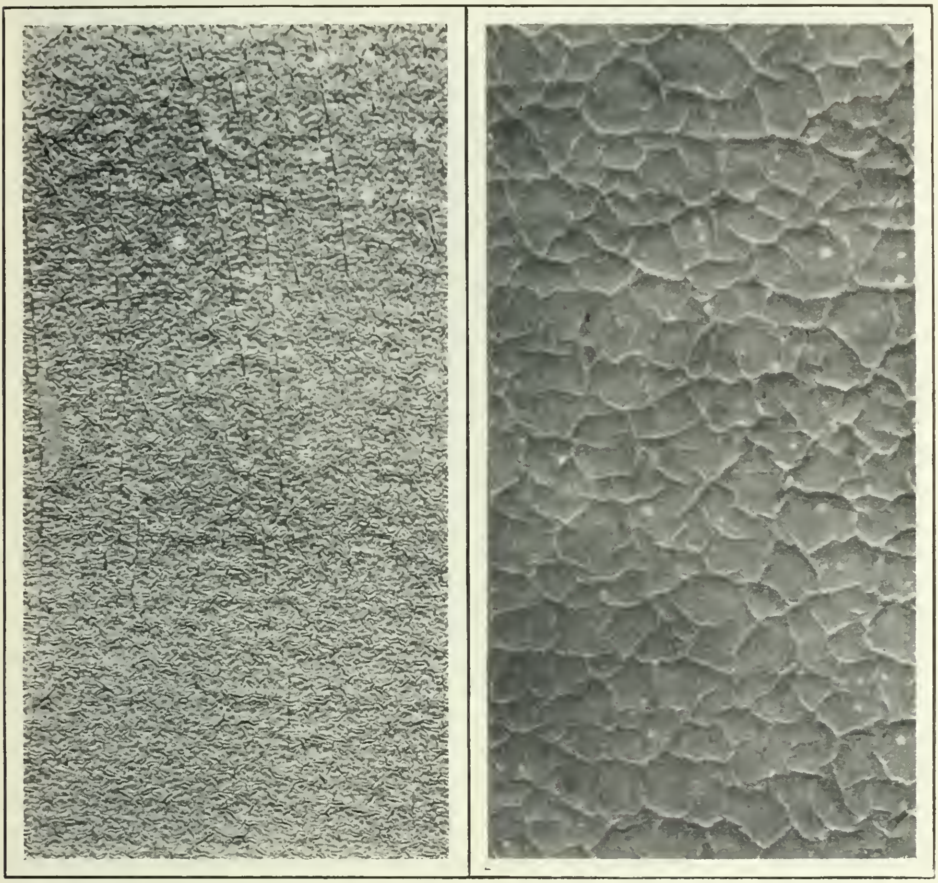
Studies in co-operation with the Transmission section, of the fatigue of conductor and ground-wire cables in service owing to vibration. This involved the examination of a number of cables which had failed in service. Similar attention has been given to improvement in the quality of galvanized ground-wire cable.

The use of old steel rails as a substitute for wooden poles on low-tension lines. The rails were tested for stability when set in earth, crushed rock and in concrete. Measurements were made of the deflection of the rails with different loads applied at their tops.

Development, in co-operation with the Municipal department, of a suitable metal for grain choppers.

The effect of temperature on the life of different insulating materials.

Methods of protecting steel tower footings at and below ground level.



SAMPLES OF FAILURE OF MACHINERY ENAMEL OF INFERIOR QUALITY FOR EXTERIOR EXPOSURE

Magnification fourteen times—Chemical Laboratory

Wood Poles

A great deal of attention has been given of late to the decay of wooden poles in service. Three years ago a testing ground was established north of Barrie and some sixty poles were placed under test. These poles were of different kinds of wood, some untreated and others treated in various ways. Already valuable data are being obtained from these tests and this year a second test ground was established nearer Toronto in a different kind of soil. Besides these tests, data are being gathered on the performance in service of different kinds of poles variously treated.

Out of this work has arisen a need for detailed information on the properties of different kinds of wood, the methods and materials used in preserving timber, the mechanical testing of wood and a classification of soils that could be used in the field inspection of poles. A study of available literature covering all of these points has been made and reports prepared.

As a corollary of this work assistance has been given the Operating department in developing a method of stubbing poles that would eliminate the present unsightly wooden stub. Various schemes have been investigated and the most promising of these is now being tried out under service conditions.

Insulating Oils

A most important problem that has been given a great deal of study over a period of years is the reconditioning of insulating oil that has deteriorated to a point where it is uneconomical or hazardous to continue it in service. Commercial methods of reconditioning have been found unsatisfactory when applied to insulating oils and a method of refining has been worked out in the Laboratory and successfully applied in the treatment of several thousand gallons of old oil. The reconditioned oil meets the most rigid tests for a high-grade insulating oil and there now remains the problem of developing an economical and efficient unit for carrying out the process in the field that will be compact and portable and have the necessary capacity.

Paint

During the year, 156 paints of all kinds were examined. Some of these were samples from purchases, tested to see if they were of the quality specified, and some were new products never previously investigated. A large number consisted of groups of similar paints of different manufacture tested comparatively to determine their usefulness for certain types of service.

A number of field inspections of structures painted in past years has been made to correlate Laboratory tests with field service, also of structures which were to be repainted, to permit the formulation of recommendations to those in charge of the work as to the most suitable methods and materials. An analysis has been made of both field and laboratory data obtained during the past few years in painting towers as a guide in selecting the paints to be used in the extensive painting of towers carried out this past year. During the year also, the Laboratories, in co-operation with the different departments using paint, have completed a revision of the standard colour card which is now being used.

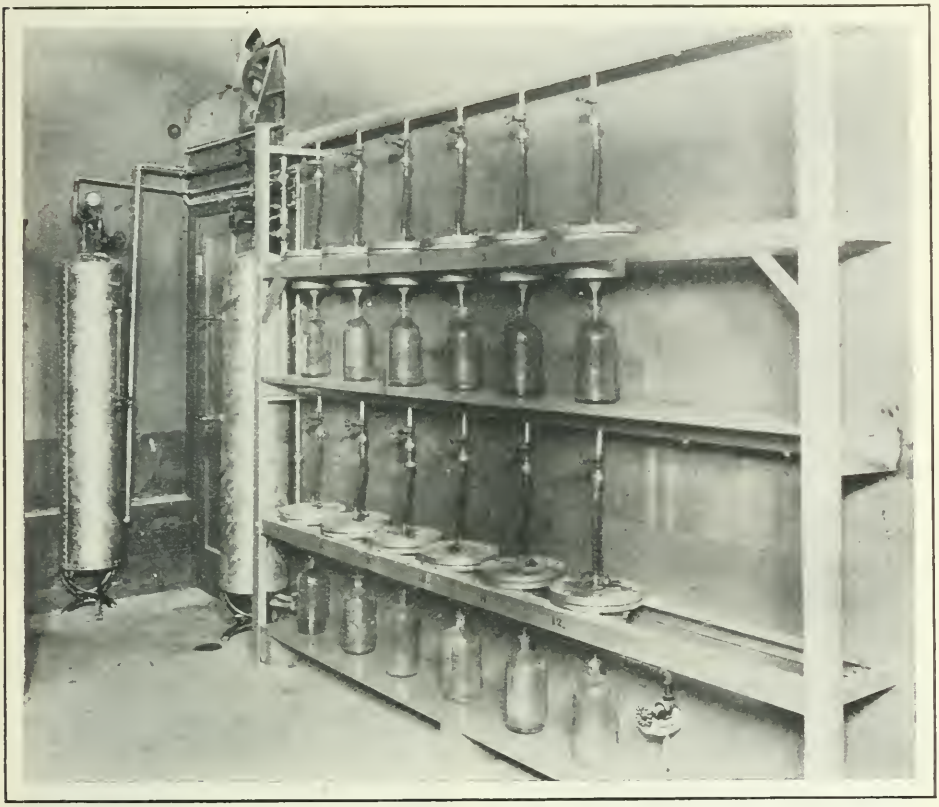
Head Office Extension

A number of investigations have been carried out in connection with the development of the plans and specifications for the proposed head office extension, as follows:

Determination of the proportions required to give a concrete weighing 80 lb. per cu. ft. and having a 28-day strength of 600 lb. per sq. in. or better. This involved a study of light-weight aggregates and their practical use in construction. The work has cleared up several difficulties previously experienced in handling this type of concrete and provided data from which light-weight concrete of varying properties may be designed.

Consideration of the causes of staining in building stone and the precautions to be taken to overcome this trouble, particularly the tests necessary to detect those materials liable to cause staining. Comparative tests were made on a number of portland cements and limes to determine their tendency to stain.

Data has been gathered on the deterioration of different types of available building stone under local climatic conditions.



APPARATUS FOR DETERMINING THE PERMEABILITY OF CONCRETE MIXTURES
Concrete Laboratory

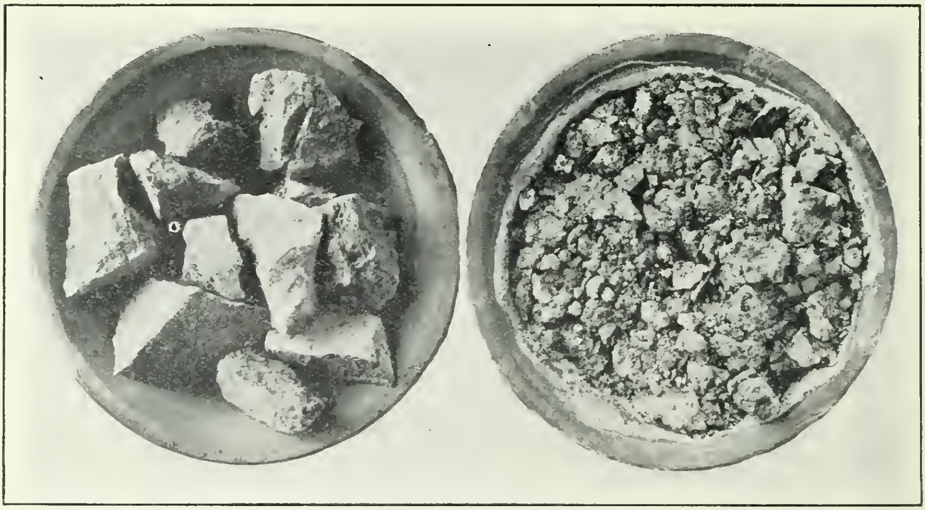
Concrete

The principal investigations in this field have been as follows:

The effect of percolating water on the integrity of concrete:—Water under pressure has been continuously passed through a group of concrete specimens for about eight months and the kind and quantity of the substances dissolved therefrom determined in the hope that the data obtained will shed light on the rotting of concrete by percolating water.

A study of the probable variations in compressive strength of concrete as they occur on different jobs:—This study is to be used to assist the Commission's engineers in revising the present classification for concrete and determining the proper factors of safety in the design of mixtures and the setting of working stresses. The results of over 13,000 tests were analyzed in this study. A report on one phase of this work has been completed and another is in preparation.

The use of artificial sand in concrete where natural sand is not readily available:—The preparation of the different artificial sands has required a great deal of time owing to the necessity of screening all materials into nine different sizes in order to control the gradings of the aggregates used in the tests. About six tons of fine aggregate and seven tons of coarse aggregate have been crushed and screened, and are ready to use.



SODIUM SULPHATE TEST FOR SOUNDNESS OF CONCRETE AGGREGATE

Concrete Laboratory

Left: Sample before treatment. Right: Same material after treatment, showing complete disintegration

The advisability of using certain admixtures to increase the workability of lean concrete mixtures:—Several admixtures were considered, all of which increased the workability to some extent, but only one was found which was more helpful in this respect than would be the cement that could be added for the same cost.

The properties of concrete made with high early strength cement:—A limited investigation designed to show the possibilities of this class of cement in the work of the Commission and to give information that will permit comparisons between the cost of obtaining certain special results either with high early strength or standard portland cements.

Interference with Wired Lines and Radio Communication

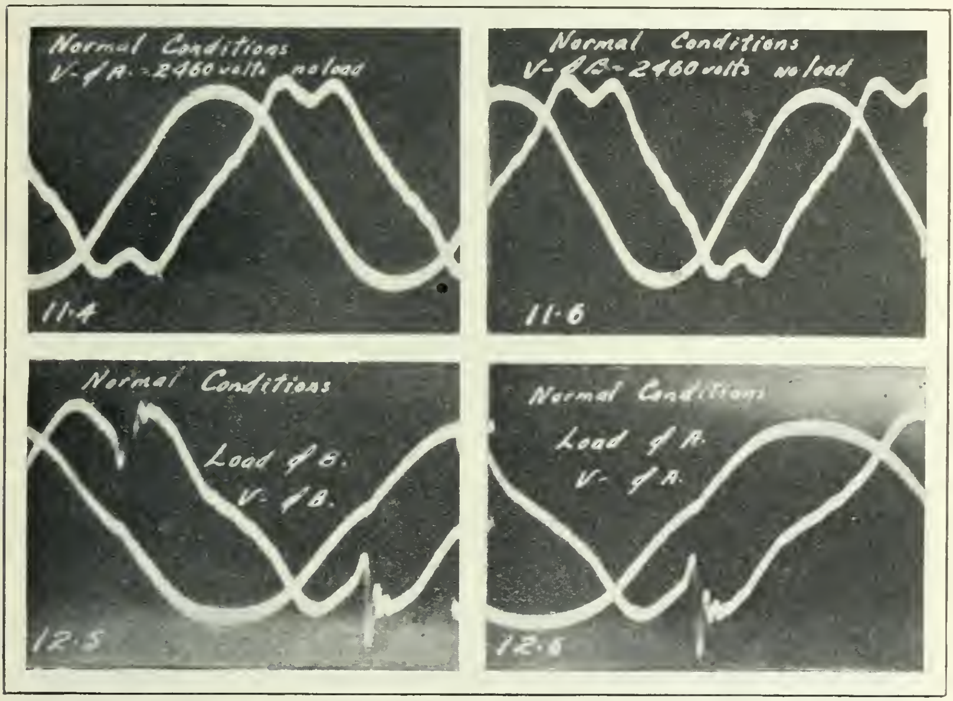
Well-directed effort has been applied to problems involving interference caused by slight disturbances on power systems, upon adjacent wired communication circuits, and also with radio reception from broad-casting stations. The demands made on the performance of power system equipment become more and more exacting with extension of power and communication systems in order that inconvenience and possibly more serious consequences may not ensue to telephone users. Equipment which operates quite satisfactorily for power purposes may prove quite troublesome in its effects on extensions of either power or communication services or both. A number of cases are being dealt with which require special treatment and the technical resources of the staff and equipment are called upon in the treatment of these problems.

Resuscitation

Previous work on resuscitation which had been done at the University of Toronto was continued during the past year under the direction of the Accident Prevention department. A member of the Laboratory staff was assigned to assist in electrical matters during experimental work carried on at the Banting Institute. It is expected that the results of this work will be made public and be found to have considerable value in problems relating to electric shock and recovery of patients therefrom.

Oscillographic Studies

The oscillograph takes a very important part in investigations relating to electrical conditions in circuits and equipment. Tests have been made whereby its use was extended to the study of variable mechanical stresses and it is expected that auxilliary devices will be developed which will facilitate more exact study of stresses in materials and accelerating forces.



OSCILLOGRAPH RECORDS

Illustrating use of the oscillograph in analyzing conditions in electric circuits

Communication

Methods of communication between remote points on the systems for operating convenience have been reviewed, and tests were made on certain lines in co-operation with the Engineering department tending toward the installation of more modern and economical equipment.

Hazards to Life and Property

Several problems involving hazards to life and property have been dealt with during the year and field tests made to verify or disprove opinions based only on theory. For example, how much leakage current can be tolerated through a switch-stick before it becomes hazardous to an operator? Why should lines, considered to be absolutely dead, be well grounded before being worked upon?

Miscellaneous

New Equipment

Major items of new equipment acquired during the past year are the following:

A binocular microscope,—an instrument purchased primarily for the examination of defects in metals, but which is used daily for many other purposes.

A Bomb calorimeter for calorific determinations on fuels.

A Burgess turbidemeter for sulphur determinations.

A 12-unit apparatus for testing the permeability of concrete. This includes an automatic air-compressor unit which also supplies compressed air to other parts of the Laboratory.

The moist room used for the curing of cement and concrete specimens has been modernized by the installation of atomizer fog-sprays and an improved temperature regulation. The room can now be kept continuously at a relative humidity of over 95 and within a temperature range of 5 deg. Fahr.

A machine has been installed in the Approvals Laboratory for testing the durability of flexible cords for household appliances.

Standardization

The department has continued to co-operate with the Canadian Engineering Standards Association and other standardizing and scientific organizations although to a lesser extent than in previous years. Those standardization projects which are most active at the present time are concerned with the Canadian Electrical Code. A Special Committee is now preparing a revised draft for the next edition of the Code which it is hoped will appear in 1933. The preparation of Part II of the Code, which includes specifications for the approval testing of electrical equipment is being pressed forward vigorously. The department is represented on the Committees engaged in this work.

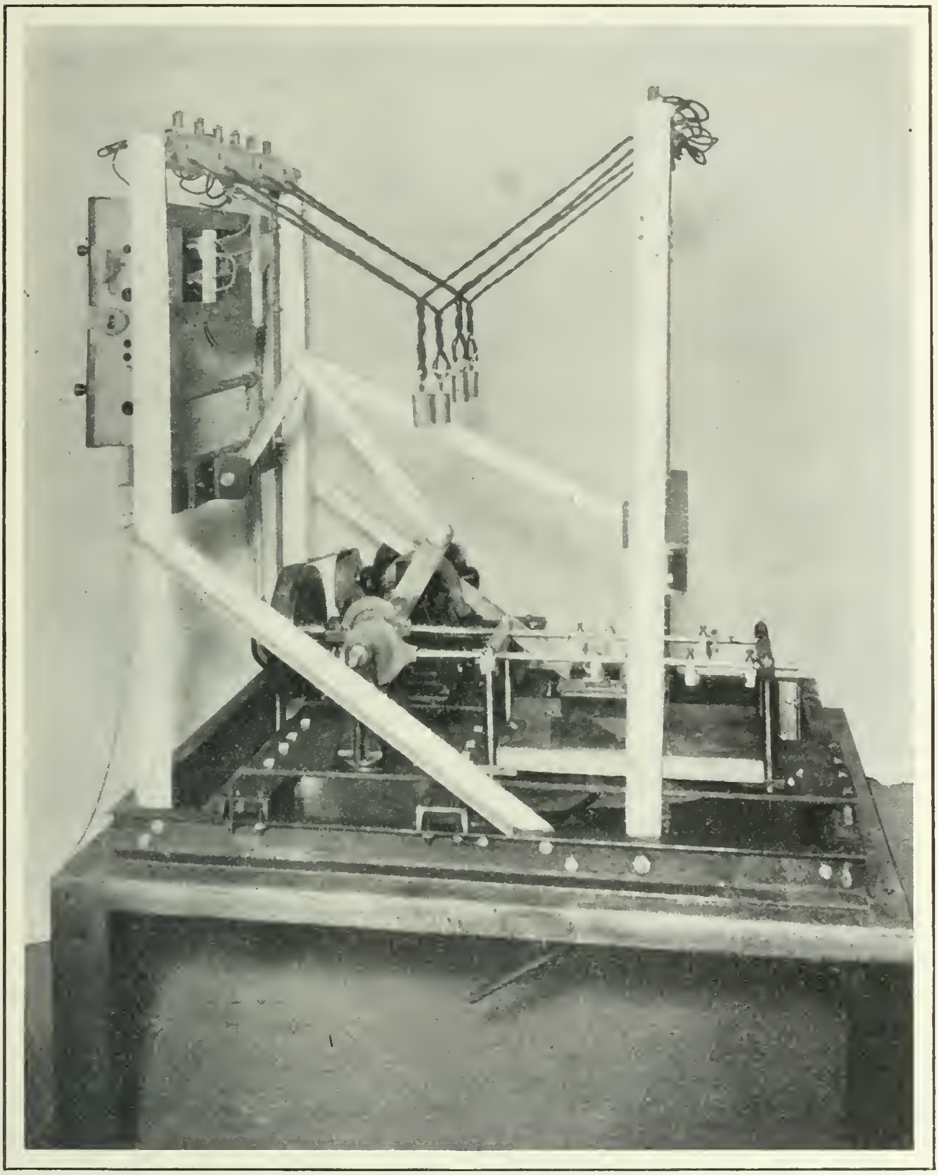
The department has also assisted in Committee work in connection with Part III of the Code which includes standards for outside wiring. Assistance has also been rendered to the Canadian Engineering Standards Association in the formulation of standards for meters. The department is also represented on several Committees of the National Research Council dealing with meters and with other subjects.

Lighting Service

The Illumination Laboratory, during the year, submitted sixteen reports under the lighting service plan which has been followed for several years. Requests for these reports come from a relatively small number of municipalities which indicates that there is a large opportunity not fully seized by the municipalities in making use of this service which is available to them.

Lamps

The efficiencies of the Hydro multiple lamps have been increased. Specifications for series lamps have been entirely revised including a change in the system of rating. These revisions were made as a result of experience during recent years.



MACHINE FOR TESTING FLEXIBLE CORDS
Approvals Laboratory

APPROVALS LABORATORY

Motor operated devices were responsible for the largest number of approval applications. In this class are included small portable motors, washers, vacuum cleaners, fans, etc., blowers for coal furnaces, refrigerators, oil burners, and electric clocks. Heating devices come next in order.

Statistical

The following table contains a summary of the testing and inspection work carried on by the Approvals Laboratory during the past three years:

	1930	1931	1932	
Applications for approval..........	706	797	660	
Special approval tests (Note 1).....	32	127	178	
Listing (Note 2)..................	168	105	52	
Factory inspections...............	......	2,005	2,291	(Note 3)
Factory inspection reports.........	......	3,120	3,039	(Note 3)
Labels sold......................	635,493	631,543	696,100	(Note 4)

Note 1: Special approval tests include those made, usually at the request of the Electrical Inspection department, on installations of unapproved apparatus in connection with which the manufacturer does not desire to obtain the regular listing on account of the small number of items sold.

Note 2: This item includes products which have been approved and listed by Underwriters' Laboratories of United States and have been accepted by the Commission as satisfactory without further approval test. A considerable decrease in 1932 will be noted.

Note 3: The number of factories visited increased during the year, but these were visited on a reduced schedule; consequently the number of inspection reports has decreased.

Note 4: There was an increase in the number of labels sold during 1932. This was caused by the issuance of five new types of labels. Of the types in use before November 1, 1931, the sale decreased by more than 23 per cent in 1932.

Owing to the change in the method of handling radio devices, the number of tests made in the Laboratory decreased in comparison with last year. This was one of the objects of the arrangement reached with the Radio Manufacturers' Association, which has worked out to the satisfaction of all concerned.

Specifications

As stated elsewhere in the report, the Commission is co-operating with the Canadian Engineering Standards Association in the preparation of specifications under Part II of the Canadian Electrical Code. These specifications will replace and supplement those previously issued by the Commission. In accordance with the procedure adopted the original draft of the specifications is prepared in the Laboratories and is forwarded to the Canadian Engineering Standards Association. It is then circulated to the various members of the Panel of the Canadian Engineering Standards Association on Part II of the Canadian Electrical Code, to manufacturers interested, to inspection authorities and others. After comments have been received a meeting of the Panel is called at which a full discussion is held and an effort made to reach agreement. When agreement has finally been reached the specification is approved by the Canadian Engineering Standards Association and is published. It is adopted by the Commission and used by the Approvals Laboratory in connection with the particular product covered by the specification.

Two important specifications have been published during the past year. One on "General Requirements" includes a list of definitions and general clauses common to all specifications. A specification for "Power-Operated Radio Devices" has also been issued. Other specifications in the course of preparation include: Electric Signs; Electrical Equipment for Oil-Burning Apparatus; Enclosed Switches; Service Entrance and Branch Circuit Breakers; Electric Clocks; Portable Displays and Incandescent Lamp Signs; Condensers; Electric Fixtures; Electric Floor Scrubbing and Polishing Machines; Fractional Horsepower Motors; Electric Heating Pads; Portable Lighting Devices; Transformers for Luminous Tube Signs; Electric Tools; Outlet Boxes; Industrial Control Equipment; Carbon Arc Lamps for Therapeutic Use; Soldering Lugs.

New Business During 1932

Many United States manufacturers of appliances have established branch factories in Canada and have applied for approval service. Particularly—hairdressing equipment, refrigerators, oil burners and wiring devices.

The desire to use cheaper fuel for heating of domestic and business premises has resulted in largely increased sales of motor-driven blowers and stokers for forced draft use on furnaces. As these are usually installed in basements having floors of a more or less conductive nature it is necessary that they be free from electrical hazard and properly grounded. It was, therefore, considered essential that electrical connection to the motor must be made only by armoured cable or conduit. Certain mechanical hazards were also found in the more cheaply constructed blowers. In order to insure a minimum approved standard of construction the Electrical Inspection department has required that all such blowers shall be approved and listed thus resulting in much new work in this section of the Laboratory.

A problem has been created in Ontario by the dumping of large quantities of second-hand motors mostly of types used on washing machines, oil burners, etc., and of second-hand bell-ringing and toy transformers from the Niagara-Buffalo district where 25-cycle current is being changed to 60 cycle. In many cases, these devices have been resold without proper overhauling and inspection by dealers not equipped to make the necessary tests. The Laboratory has issued specification requirements for certain types of this equipment and is preparng specifications for other types.

Substandard Water Heaters

It was hoped that the effect of the general distribution in 1931 of the warning notice regarding the sale of substandard water heaters would be quite effective in checking their distribution in Ontario for some considerable time, but early in 1932 it was seen that still more active measures would be required.

The co-operation of the Customs officers was obtained not only in Toronto but in some of the other border districts with the result that many persons who were importing in ignorance were warned before clearing the appliances. However, the active advertising campaign carried on by manufacturers of these devices in the United States rendered it necessary to do even more than this. Consequently, another warning circular was prepared for broadcasting throughout the Province and copies were distributed. It was also sent to all known manufacturers of water heaters of doubtful design and to other inspection authorities throughout Canada. In Ontario the distribution of the circular was assigned to electrical inspectors and in Hydro municipalities to the local managers.

It is believed that this propaganda has now effectively stopped the importation into Canada of practically all of those substandard types of portable water heaters in which the heating element is directly in contact with the water. There are of course a number of approved designs of stationary water heaters of this type, but in this case protection to the user is, of course, obtained by definite grounding of the non-current-carrying metal parts.

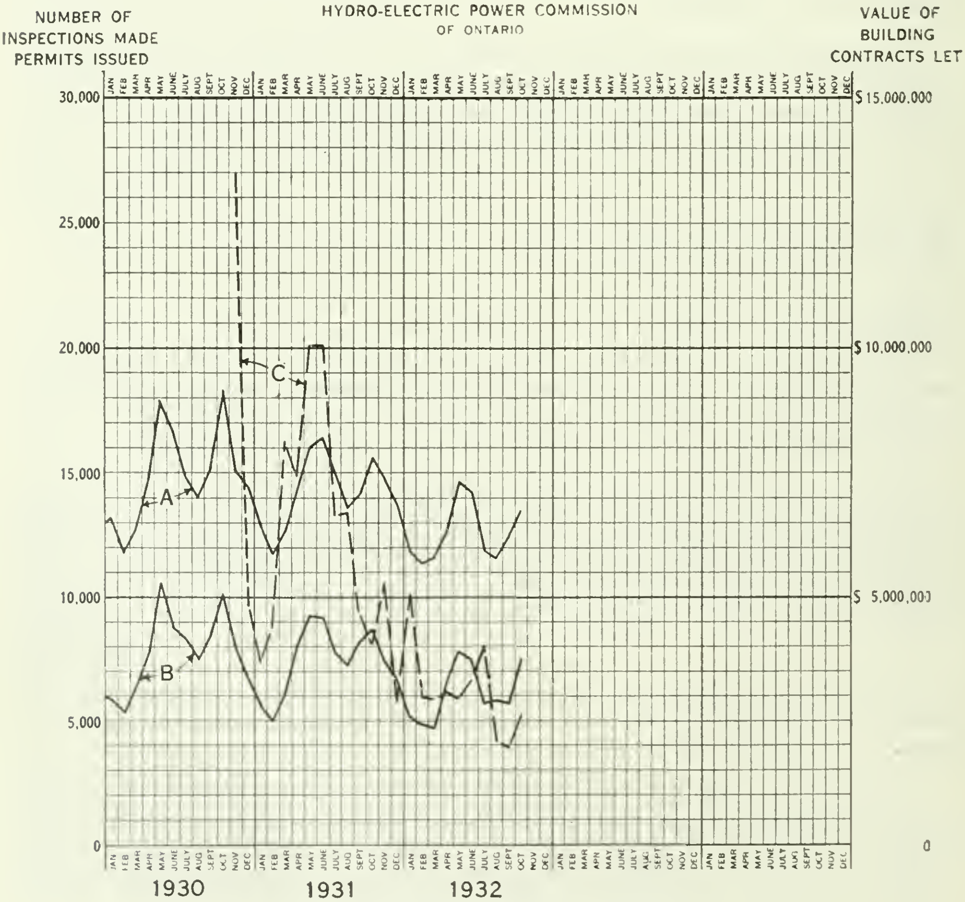
ELECTRICAL INSPECTION DEPARTMENT

The functions of the Electrical Inspection Department were described in the Twentieth and Twenty-fourth Annual Reports and need not be repeated. It will be appreciated that the volume of work handled is governed to a large extent by the amount of building construction carried on throughout the Province, the value of which was, in 1930 $116,203,200, in 1931 $85,087,900 and in 1932 $38,488,900.

The number of paid applications for inspection received amounted to 76,171, a decrease of 15 per cent from 1931.

A total of 153,895 inspections was made, a decrease of 13 per cent from the previous fiscal year.

The accompanying graphs will allow a complete visualization of the number of permits issued and inspections made in 1930, 1931 and in 1932.



NOTE—Curve A,=No. of inspections; Curve B;=No. of permits issued; Curve C=value of building contracts

Fires

Many fires are reported each year, by the newspapers throughout the Province, as having been caused by defective electric wiring. In a number of instances the electric wiring has been found to be so badly damaged that it is impossible to state, with any degree of certainty, whether or not the source of the fire had been in the electrical installation.

The fires referred to below, 20 in all, which were among those reported as having their origin in defective wiring, have all been definitely traced to electric wiring or to electrical apparatus. The individual causes have been classified as follows;—

8—Flexible cord, overfused.
5—Armoured cable.
1—Joints in service conduit.
1—Grounding of 4,400-volt secondary.
1—Defective thermostat in warming pad.
1—2-Plate stove fed from drop cord.
1—Electric iron left on at night in tailoring shop.
1—Knob and tube wiring brought through metal plate without proper insulation.
1—Cover removed from vapor-proof switch in gasoline pump.

Forty per cent of the fires attributed to electric wiring were caused by flexible cord extensions which were found, upon investigation, to be overfused; twenty-five per cent were found to have originated in defective armoured cable, the metallic sheating of which, on account of its high resistance, failed to open the circuit fuses. The short circuited current, returning to ground, generated sufficient heat in the cable armour to ignite adjacent flammable material.

Infractions of Regulations

Eighty three persons and companies were prosecuted for various infractions of the Rules and Regulations. The majority were charged with having installed electric wiring or apparatus without first having obtained a permit to do so and for refusing or neglecting to remedy defects in electric wiring installed by them. Fines amounting to $660 were imposed, along with a number of suspended sentences.

Grounds on Rural Installations

During the past year the department made 3,824 tests to determine the conductivity of neutral and service equipment grounds on rural installations. The readings taken have given the department a knowledge of the ground protection on each rural installation prior to it being connected to the supply lines. All ground readings together with soil and weather conditions and the type of ground used are turned over to the Engineering Department and to the Commission's Laboratory for study with a view towards improving the grounding methods now in use.

As in previous years, the routine work of inspecting the older and more obsolete type of installation has been carried out. As can be expected, consumers are much more difficult to approach with suggestions to improve the conditions in their electrical installations than in previous years.

In all, 2,637 installations were overhauled or rewired at a cost of approximately $130,912.

SECTION VIII

ELECTRIC RAILWAYS

THE SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY COMPANY

The revenues of the Sandwich, Windsor and Amherstburg Railway have been seriously affected by the continued industrial depression. The fact that the Border Cities municipalities are dependent principally on the automotive industry (which is one of the major industries whose production has been very seriously curtailed) has been one of the chief causes of the revenue decreases.

The railway in recent years has depended to a large extent on the daily travel of the artisan for its revenue. The lack of employment, the curtailing of commuters between Detroit and Windsor, and the reduction in population caused by the depression, are also factors in the reduced riding habit.

Operation

In 1932 the gross earnings were $568,452 as compared with $726,044 in 1931, a decrease of $157,592. The 1932 operating expenses were $564,692 as compared with $732,184 in 1931, a decrease of $167,492. Net earnings were $3,759 as compared with a deficit of $6,140 in 1931.

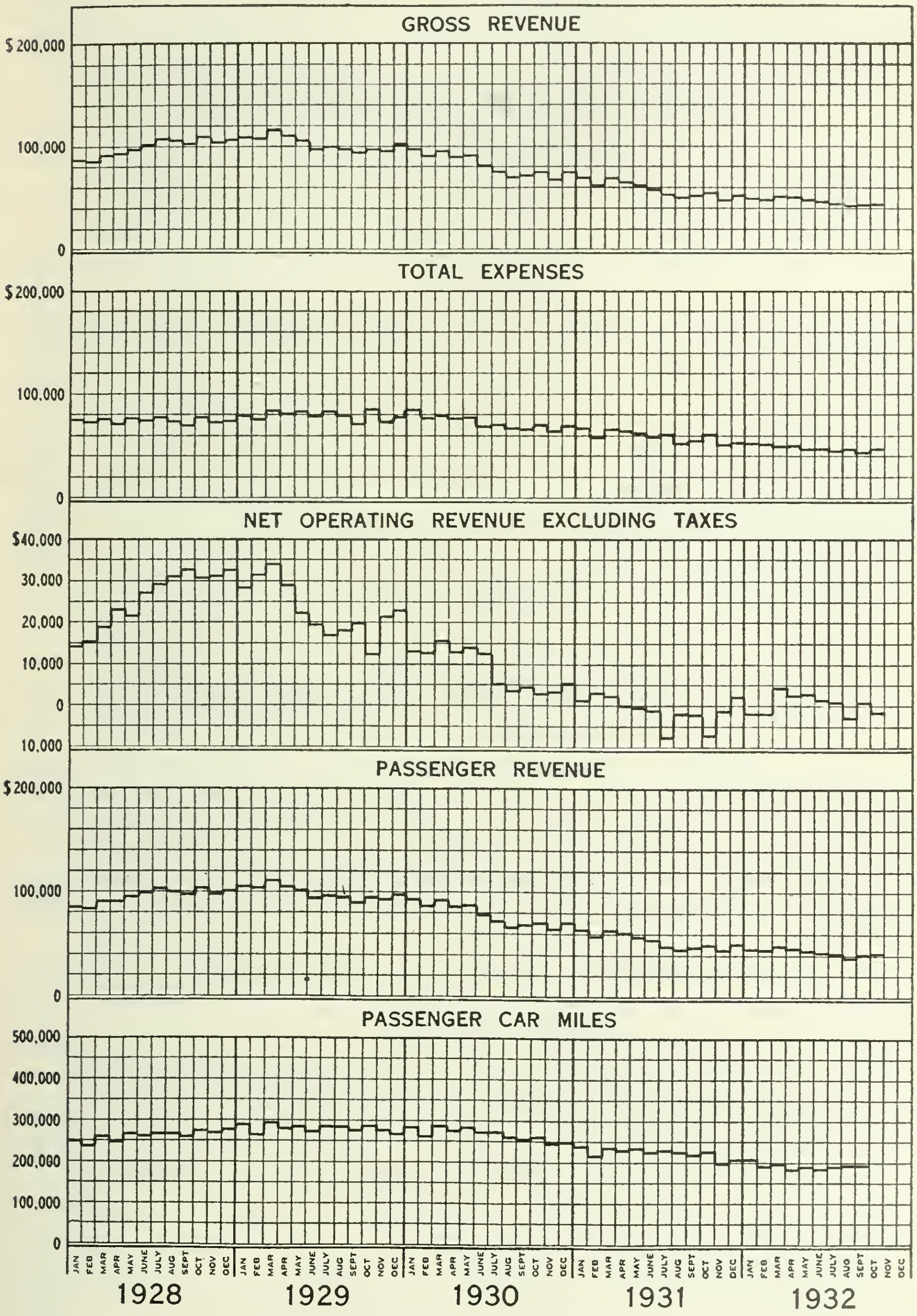
The adjustment of the 1931 power bill was made too late to include in the 1931 report and the amount—$9,885 has been credited to 1932 operating expenses. Similarly, the 1932 adjustment has not been made at this writing.

The operation of local service on Howard avenue was taken over on September 16, 1932, after the closing down of the Windsor, Essex and Lake Shore Railway.

The continuance of the industrial depression is reflected in the earnings of the railway, which are the lowest since 1922. Operating expenses are the lowest since 1923.

The accompanying chart indicates the record of the railway for the past five years.

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY OPERATING STATISTICS



The mileage operated by the various types of cars during the year is as follows:—double truck, air brake, two-man cars, 1,546 car miles; interurban cars 469,736 car miles; single truck safety cars 470,920 car miles; double truck safety cars 1,389,835 car miles; express cars 11,260 car miles; service cars 12,398 car miles; buses 3,392 bus miles; total 2,359,087 car and bus miles.

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

Operating Statistics, 1932

Route-miles:		
City trolley	24.81	
Amherstburg interurban	13.54	
Tecumseh interurban	5.34	
Total route-miles		43.69
Passenger and freight car-miles operated		2,346,689
Passenger and freight car-hours operated		230,383
Passengers carried		9,348,207
Percentage of transfer passengers to revenue passengers		20.29%
Passenger cars operated		60
Passenger buses operated		2
Passengers carried per route-mile		213,966
Passengers carried per car-mile		4.0
Passengers carried per car-hour		40.5
Average mileage per car operated		38,867
Average mileage per bus operated		1,696
Average passengers per car operated		155,768
Average passengers per bus operated		107
Freight tonnage carried		955

Accidents 277 of which 195 were automobile accidents.
Accidents per 100,000 car miles: 11.268.

THE WINDSOR, ESSEX AND LAKE SHORE RAILWAY

After considerable investigation and discussion, the discontinuance of operation of the Windsor, Essex and Lake Shore Railway was decided upon and the Windsor, Essex and Lake Shore Railway Association, which controlled the line, notified the Hydro-Electric Power Commission that the operation of the railway was to be discontinued on September 15, 1932. Arrangements were made with this end in view, and the operation of the railway was discontinued on this date.

The diamond crossings on the Michigan Central Railroad and the Pere-Marquette Railway at various points were removed and the equipment was stored in the car house at Windsor.

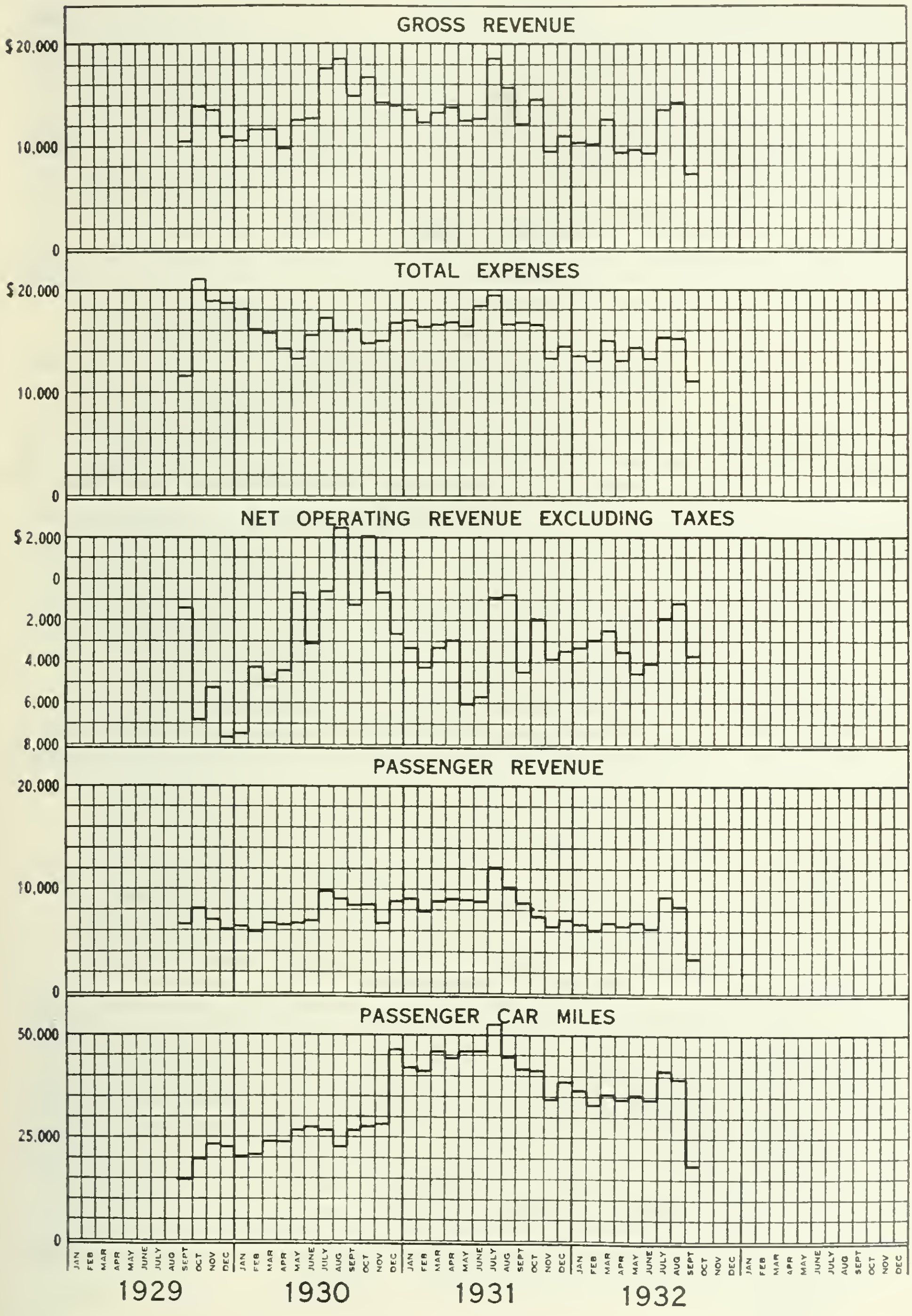
The portion of the railway on Howard avenue between Erie avenue and the Devonshire racetrack was leased to the Sandwich, Windsor and Amherstburg Railway.

The future of the railway has not as yet been decided upon definitely.

Operation

For the ten and one-half months of 1931-32 during which the road operated, the revenue was $116,272, as compared with $166,713 for the full year 1931. Operating expenses were $151,581 as compared with $202,546 for the year 1931.

WINDSOR, ESSEX AND LAKE SHORE RAILWAY OPERATING STATISTICS



WINDSOR, ESSEX AND LAKE SHORE RAILWAY

Operating Statistics, 1932

Route-miles	39.747
Track-miles	45.802
Passenger cars operated	5
Passenger car-miles operated	374,842
Bus-miles operated	7,042
Freight locomotive miles	40,289
Express car-miles	487
Passenger car-hours operated	28,218
Passenger bus-hours operated	661
Revenue passengers carried	571,040
Transfer passengers carried	88,249
Free passengers carried	8,561
Total passengers carried	667,830
Percentage of transfer passengers to revenue passengers, local lines	19.68
Freight motor-cars operated	2
Freight motor-hours operated	4,277
Total passenger and freight car-miles operated	422,650

Accidents, 38.

Accidents per 100,000 car-miles, 8.9 in 1932; 12.5 in 1931; 21 in 1930.

GUELPH DISTRICT RAILWAY

Operation

The operating revenue for the Guelph District Railways for 1932 was $65,595 as compared with $77,532 in 1931. The operating expenses for the year 1932 were $73,380 as compared with $78,284 in 1931. Taxes were $354 as compared with $363 in 1931. The net operating shortage for the year 1932 was $7,784 as compared with $752 in 1931. The interest and debenture payments were $25,588 as compared with $26,954 in 1931. Sinking fund requirements in 1932 were $3,159 as compared with $1,580 in 1931. Nothing was set aside for renewals. The deficit for 1932 was $36,885 as compared with $29,649 in 1931.

Included in the above deficit is $7,987 which has been set aside for amortizing the original value of the railway line previous to the transfer of this road to the Hydro-Electric Power Commission; and also an interest charge $3,713.

The freight earnings for the year 1932 were $10,506 as compared with $10,484 in 1931. The passenger earnings were $54,373 as compared with $64,369 in 1931.

GUELPH DISTRICT RAILWAY

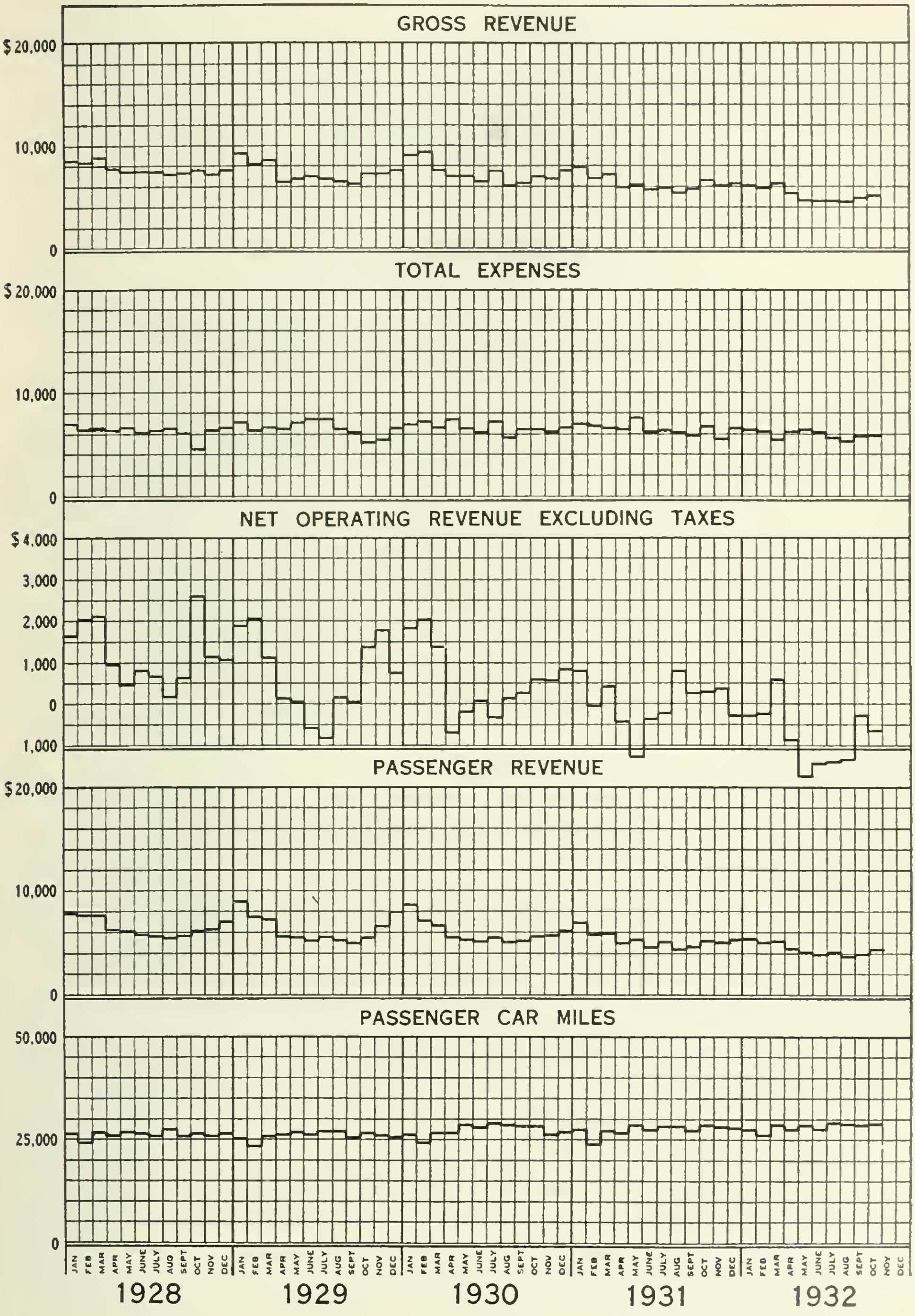
Operating Statistics, 1931

Route-miles:		
Trolley	6.41	
Bus	5.99	
Total route-miles		12.40
Track-miles		9.06
Passenger cars operated		7
Buses operated		4
Passenger car-miles operated		231,223
Bus-miles operated		94,099
Freight locomotive miles		10,391
Passenger car-hours operated		28,344
Passenger bus-hours operated		14,077
Revenue passengers carried		944,741
Transfer passengers carried		241,004
Free passengers carried		1,165
Total passengers carried		1,186,910
Percentage of transfer passengers to revenue passengers		25.5
Freight motor cars operated		1
Freight motor-hours operated		2,362
Total passenger, freight and service car-miles operated		336,055

Accidents:—twenty, of which sixteen were due to automobiles.

Accidents per 100,000 car-miles—1927, 8.24; 1928, 4.25; 1929, 12.3; 1930, 7.2; 1931, 4.45; 1932, 5.95.

GUELPH DISTRICT RAILWAYS—OPERATING STATISTICS



SECTION IX

FINANCIAL STATEMENTS

Relating to Properties Operated by The Hydro-Electric Power Commission on Behalf of Municipalities

The following explanatory statement is submitted with a view to affording a satisfactory understanding of the manner in which the various operations of the Hydro-Electric Power Commission of Ontario are conducted and financed and thus contributing to the interest of those concerned either directly or indirectly with the work of the Commission.

The "Hydro" electrical undertaking of Ontario is an organization of a large number of partner municipalities co-ordinated into groups or systems for securing common action with respect to power supplies, through the medium of the Hydro-Electric Power Commission which under the Power Commission Act functions as their trustee. The undertaking as a whole, embracing all the operations from the provision of the power down to its final delivery to the ultimate consumer, involves two distinct phases of operations.

The FIRST phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by the Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in this section of the Annual Report.

The SECOND phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts, which usually embrace within their confines portions of more than one township, the Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts.* The financial statements relating to the rural power districts are also presented in this section of the report. In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of the Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to such individual electrical utilities are presented in Section X of this report.

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*For further information respecting rural power districts consult latter portion of Section III in this Report.

Having the foregoing distinctions respecting wholesale and retail electrical service in mind, the following brief notes will assist to an understanding of the economic structure and of the general plan of administration of the undertaking, and will make clearer the financial tables herein presented. The basic principle governing the financial operations of the undertaking is that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The entire annual expenses—including appropriations for reserves—incurred by the Commission in the supply of power at wholesale are thus paid out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,* when the Commission's books are closed and the actual cost payable by each municipality for power received has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such direct expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, and for obsolescence and contingencies. The first-mentioned reserve is for the purpose of liquidating the capital liabilities; consequently, as capital obligations are discharged the plant will progressively be freed from interest expense. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out; to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

The ultimate source of all revenue to meet costs—whether for the larger operations of the Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

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*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The results obtained by the annual adjustments of the Commission's capital investment, operating expenses and fixed charges, as they affect individual municipalities are shown in the tables for the respective systems. For the purpose of financial statement, the various systems are treated as separate units and for each of them similar statements and details are presented. Many of the pages which follow, therefore, simply repeat for each system data similar to those which are presented for the first system dealt with in each division of the report, namely, the Niagara system. In order, therefore, to possess a ready grasp of all the figures presented in this and other similar reports of the Commission, all that is necessary is to have a true understanding of the financial procedure followed in connection with one system and with one municipal "Hydro" utility.

The accounts of the Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and are also duly audited.

Tabular Data

The first tabular statement given in Section IX is a general balance sheet exhibiting the assets and liabilities of the undertaking and relates to the properties constructed or otherwise acquired and being operated by the Commission as trustee for the municipalities of the various systems.

The general balance sheet is followed by groups of statements relating in turn to each system of the Commission. These statements, for each system, are similar in character and include:—

Operating Account for the year, showing, for the system as a whole, the various items of operating expense and fixed charges entering into the cost of power as defined by the Power Commission Act, and the revenues collected by the Commission from the partner municipalities and other consumers.

Cost of Power statement, which shows the apportionment to each municipality or rural power district of the items of cost summarized in the Operating Account, as well as the apportionment of the capital expenditures listed in the balance sheet and the amount of power taken by each municipality. It should be appreciated that the cost of power given in this table is the wholesale cost,—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility or rural power district. In the case of rural power districts, the costs of power for the respective districts appear also in the "Rural Operating" statement, immediately following, as "Cost of power delivered"; in the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "Power purchased."*

Rural Operating statement, which shows for each rural power district the various items of cost, and the revenues received, in connection with the distribution of electrical energy to consumers.

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service to that municipality. These credits and charges are taken up and given effect to in the municipal accounts of "Hydro" utilities before the operating records of each year are closed.

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*Consult footnote on previous page.

Reserve for Renewals, which shows the provisions made for, the expenditures from, and the balances to the credit of, this fund.

Reserve for Obsolescence and Contingencies, which gives similar information with respect to this reserve.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality and rural power district as part of the cost of power together with its proportionate share of other sinking funds.

Sinking Fund Reserve, which summarizes the provisions made with respect to this fund.

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserve to protect generating, transforming, and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts," relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

To illustrate further the foregoing explanatory comments, there is presented herewith a typical operating statement of an Ontario municipal electrical utility, covering its financial operations, both as a partner in a system of the Hydro-Electric Power Commission, and as administrator of its own local distribution system.

BROCKVILLE "HYDRO" UTILITY

A Typical Operating Statement for the year 1932

REVENUE

Collected from Brockville "Hydro" customers for year..		$125,363.94

EXPENSES

A.—Incurred by the Hydro-Electric Power Commission on behalf of the municipality of Brockville in connection with the supplying of its electrical energy. These data show—as determined by annual adjustment—what it costs the Commission to supply the municipality with its wholesale power. See "Cost of Power" statement, page 219, for the City of Brockville as follows:

Cost (proportionate share) of power purchased for Eastern Ontario system, from generating plants not owned by Commission	$15,432.28	
Cost (proportionate share) of operation and maintenance expense of Eastern Ontario generating plants, transformer stations and transmission lines together with administrative expenses	16,498.69	
Interest, including exchange, on Brockville's proportionate share of capital investment in generating plants, transformer stations and transmission lines.......	20,257.64	

Renewal reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines	$5,430.86	
Obsolescence and contingencies reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines	1,629.59	
Sinking Fund (proportionate share) provided in respect of generating plants, transformer stations and transmission lines	5,037.50	
Cost in excess of revenue from power sold to private companies*	7,086.94	
	$71,373.50	

B.—Incurred by the municipality of Brockville through its utility commission in connection with the sale of electrical energy to consumers. Consult the section dealing with the Municipal Accounts:

Operation, maintenance and administrative expenses	$22,388.38	
Interest on debenture debt, etc.	4,037.63	
Sinking fund and principal payments on debentures	8,071.04	
Depreciation and other reserves	12,770.00	
	$47,267.05	
TOTAL EXPENSES		
Charged against revenue from customers of the Brockville System		$118,640.55
NET SURPLUS FOR THE YEAR		$6,723.39

The municipality of Brockville, situated in the south eastern part of the Province, was connected to the Eastern Ontario system in April, 1915. With the close of the eighteenth year of operation, this utility's total assets are $594,664.07, liabilities $95,998.94, and reserves and surplus, $498,665.13, as shown in the municipalities' balance sheets, in Section X, Statement "A."

By reference to this municipality's balance sheet, it will be noted that the Brockville "Hydro" utility has created a sinking fund equity amounting to $80,957.62 in the Hydro-Electric Power Commission system.

By reference to Statement "D" in Section X of this report it will be seen that under the low rate schedules prevailing throughout the Province, the rates in force in Brockville have resulted in *average costs*† to the various classes of service as follows: Domestic service (with an average monthly consumption per consumer of 78 kilowatt-hours) 1.9 cents per kilowatt-hour; commercial light service 1.7 cents per kilowatt-hour. The actual *rates in force* are presented in Statement "E" and particulars of street lighting service are given in Statement "C."

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*This represents the difference between the revenue received from private companies and other power customers operating under flat-rate contracts, and the result obtained by "costing" these loads on exactly the same basis as that used in determining "costs" in respect of municipal contracts, including sinking fund and other reserves.

†If proper differentiation be made by those undertaking research, between the very different entities of rates on the one hand and the derived quantities of average costs or revenues on the other, a great deal of confusion and misrepresentation will be avoided. Consult introduction to Statement "D" of Section X.

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

Assets			
Niagara System:			
Generating Plants:			
Queenston-Chippawa development		$76,924,617.98	
Ontario Power development, including water rights		22,066,754.12	
Toronto Power development, including water rights		11,141,397.46	
Chats Falls Power development		5,878,493.70	
DeCew Power development and steam plant, including water rights		11,795,809.13	
Transmission Lines:			
Right-of-way		8,733,806.13	
Steel tower and wood pole lines		26,186,399.48	
Transformer Stations		35,199,176.42	
		$197,926,454.42	
Distribution Lines:			
Rural power districts	$6,224,389.86		
Rural lines	35,527.44		
Local distribution systems	414,804.54		
		6,674,721.84	
			$204,601,176.26
Share capital of Hamilton Street Railway Company carried at a value of		$3,000,000.00	
Cash advances to Hamilton Street Railway to cover capital expenditures and for working capital		273,212.37	
			3,273,212.37
Radial Railways in vicinity of Hamilton in process of liquidation—balance expected to be recovered			103,000.00
Balances owing under agreements covering sales of certain properties, plants and equipment:			
By City of Hamilton	$1,937,500.00		
Accrued interest thereon	nil		
		$1,937,500.00	
By City of Brantford, approximately	$200,000.00		
Accrued interest thereon	6,712.33		
		206,712.33	
By Canada Coach Lines, Limited	$550,000.00		
Accrued interest thereon	9,116.44		
		559,116.44	
Shares (1,000) of First Preferred stock of Canada Coach Lines, Limited—at par		100,000.00	
			2,803,328.77
Thunder Bay System:			
Nipigon generating plants		$15,698,917.39	
Transmission lines		1,905,037.77	
Transformer stations		855,648.50	
		$18,459,603.66	
Distribution lines:			
Rural power districts		21,134.85	
			18,480,738.51
Carried forward			$229,261,455.91

COMMISSION OF ONTARIO

and Liabilities, October 31, 1932

TAKINGS

Liabilities

To Province of Ontario:			
Cash advances for Niagara and other systems		$204,488,631.44	
Less: Repayment under provisions of Power Commission Act		14,853,440.35	
			$189,635,191.09
Grant funds in the hands of the Commission to apply against rural power districts in course of construction or extension			122,799.81
Amount received from the Province for the purpose of making loans under provisions of the Rural Power District Loans Act		$65,000.00	
Note: Loans made to October 31, 1932, $63,793.21.			
Less: Principal instalments on such loans collected and repaid to the Province		6,431.07	
			58,568.93
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Four per cent debentures, due 1957, issued in purchase of Ontario Power Company of Niagara Falls	$8,000,000.00		
Interest accrued thereon	80,000.00		
		$8,080,000.00	
Six per cent debentures, due 1941, issued for the purpose of retiring the 1921 issue of the Ontario Power Company of Niagara Falls	$3,200,000.00		
Interest accrued thereon	67,856.16		
		3,267,856.16	
Six per cent debentures, due 1940, issued in purchase of the Toronto Power Company, Limited	$413,200.00		
Interest accrued thereon	10,330.00		
		423,530.00	
Six per cent debentures, due 1940, issued in purchase of certain electrical power equipment of the Toronto and York Radial Railway	$205,800.00		
Interest accrued thereon	5,145.00		
		210,945.00	
Five per cent debentures, due 1939, issued for the purpose of retiring the 1924 issue of the Toronto Power Company Limited	$4,000,000.00		
Interest accrued thereon	75,000.00		
		4,075,000.00	
Four per cent debentures, due 1958, issued in purchase of distribution lines of Essex County	$200,000.00		
Interest accrued thereon	3,333.34		
		203,333.34	
Four per cent debentures, due 1958, issued in purchase of distribution lines in vicinity of Thorold	$100,000.00		
Interest accrued thereon	1,666.67		
		101,666.67	
		$16,362,331.17	
Carried forward			$189,816,559.83

HYDRO-ELECTRIC POWER
Detailed Statement of Assets
POWER UNDER

Assets			
Brought forward			$229,261,455.91
Georgian Bay System:			
Generating plants		$3,762,339.72	
Transmission lines		2,596,548.47	
Transformer stations		1,152,931.93	
		$7,511,820.12	
Distribution lines:			
Rural power districts	$731,151.52		
Rural lines	2,807.43		
Local distribution systems	83,246.71		
		817,205.66	
			8,329,025.78
Eastern Ontario System:			
Generating plants, including water rights		$11,299,663.07	
Surveys and engineering *re* power sites:			
On St. Lawrence river	$734,873.31		
On Ottawa river	94,135.20		
		829,008.51	
Properties purchased for power sites		52,533.33	
Transmission lines		4,089,166.32	
Transformer stations		2,583,734.84	
Rural power districts	$1,579,231.22		
Local distribution systems:			
Electric	459,628.89		
Gas	26,234.12		
Rural lines	89,063.73		
Pulp Mill	52,559.93		
		2,206,717.89	
			21,060,823.96
Sudbury district:			
Properties, buildings, plant, equipment and water rights on Wanapitei river		$2,506,410.27	
Transmission lines		141,771.54	
Transformer stations		41,662.06	
		$2,689,843.87	
Local distribution systems		6,630.43	
			2,696,474.30
Bonds of Ontario Power Service Corporation Limited bearing interest at 5½% per annum, maturing in 1950—par value $6,000,000—cost payable in debentures of the Commission guaranteed by the Province of Ontario, maturing in 1952 and bearing interest at the yearly rates of 3½% in first five years, 4% in next five years and 5% in last ten years.			5,400,000.00
Note: The Commission has undertaken to purchase at the same price and on the same terms, from the holders thereof, further similar bonds of Ontario Power Service Corporation Limited to a maximum amount of $14,000,000 par value, or such portion thereof as may be offered at a price of $90.00 of Commission's Debentures for $100.00 of Power Corporation's Bonds.			
Carried forward			$266,747,779.95

COMMISSION OF ONTARIO
and Liabilities, October 31, 1932

TAKINGS—Continued

Liabilities

Brought forward		$16,362,331.17	$189,816,559.83
Debentures issued by the Commission and guaranteed by the Province of Ontario—*Continued:*			
Four and three-quarter per cent debentures, due 1970, issued in part purchase of Undertakings and Companies from Dominion Power and Transmission Company, Limited, as at January 1, 1930	$13,000,000.00		
Interest accrued thereon	206,397.00	13,206,397.00	
Five per cent debentures, due 1935, issued in part purchase of Undertakings and Companies from Dominion Power and Transmission Company, Limited, as at January 1, 1930	$8,000,000.00		
Interest accrued thereon	133,698.00	8,133,698.00	
			37,702,426.17
Twenty-year debentures maturing in 1952 and bearing interest at the rates of 3½% in first five years, 4% in next five years, 5% in last ten years			5,400,000.00
issued in purchase of $6,000,000 par value of 5½% bonds of Ontario Power Service Corporation Limited maturing in 1950. Note: The Commission has undertaken to issue, and the Province of Ontario to guarantee, further similar debentures to a maximum amount of $12,600,000 in purchase of $14,000,000 par value of bonds of Ontario Power Service Corporation Limited or such portion thereof as may be offered at a price of $90.00 of Commission's Debentures for $100.00 of the Power Corporation's Bonds.			
Bonds and debenture stock assumed by the Commission and guaranteed by the Province of Ontario:			
First mortgage 5% gold bonds, due 1943, of the Ontario Power Company of Niagara Falls:			
Amount assumed at date of purchase of Company by Commission, August 1, 1917	$9,834,000.00		
Less: Retired by the Commission	1,866,000.00		
	$7,968,000.00		
Interest accrued thereon	99,600.00	$8,067,600.00	
First mortgage 5% gold bonds, due 1945, of the Ontario Transmission Company, Limited:			
Amount assumed at date of purchase of Company by Commission, August 1, 1917	$1,772,000.00		
Less: Retired by the Commission	468,000.00		
	$1,304,000.00		
Interest thereon payable November 1, 1932	32,600.00	1,336,600.00	
Guaranteed 4½% debenture stock, due 1941, of the Toronto Power Company, Limited:			
Amount assumed at date of purchase of Company by Commission, December 1, 1920	$13,558,917.81		
Less: Retired by the Commission	7,474,547.84		
	$6,084,369.97		
Interest thereon payable November 1, 1932	136,898.32	6,221,268.29	
		$15,625,468.29	
Carried forward			$232,918,986.00

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

Assets			
Brought forward			$266,747,779 95
Abitibi—Sudbury line:			
Transmission line and equipment		$2,189,620.17	
Transformer station		2,290.63	
			2,191,910.80
Patricia District:			
Ear Falls generating plant			483,181.39
Manitoulin Island:			
Transformer station		$108.35	
Rural power district		15,011.26	
			15,119.61
Bonnechere River Storage:			
Round Lake dam			51,629.23
Service Buildings and Equipment:			
Service buildings and equipment, Toronto		$504,779.65	
Terminal building, Hamilton		750,000.00	
Equipment of storehouse and garage, Hamilton		3,666.40	
Pole yard and equipment, Cobourg		21,816.27	
			1,280,262.32
Office Buildings:			
On University Avenue, Toronto		616,597.12	
On corner Elm Street and Centre Avenue, Toronto		160,821.95	
			777,419 07
Office Furniture and Equipment:			
At Toronto office		$64,120.10	
At Hamilton office		1,500.00	
At Electrical Inspection office		9,489.10	
			75,109 20
Automobiles and Trucks			3,918 96
Inventories:			
Construction and maintenance, tools and equipment		$817,352.38	
Construction material and sundry supplies		976,609.89	
Maintenance material and supplies		626,136 29	
Stationery and office supplies		25,811.53	
			2,445,910 09
Sinking Funds:			
Employed to make repayments to the Province of Ontario under the terms of the Power Commission Act	$14,853,440.35		
Employed in retirement of bonds issued or assumed by the Commission and guaranteed by the Province of Ontario	7,220,574.95		
Invested in securities of the Province of Ontario, which stand deposited with Provincial Treasurer—par value $2,101,000.00		$2,086,904.77	
Interest accrued thereon		27,442.47	
			2,114,347.24
Carried forward			$276,186,587 86

COMMISSION OF ONTARIO

and Liabilities, October 31, 1932

TAKINGS—Continued

LIABILITIES

Brought forward		$15,625,468.29	$232,918,986.00
Bonds and debenture stock assumed by the Commission and guaranteed by the Province of Ontario—*Continued.*			
First mortgage 5% gold bonds, due 1933, of the Electrical Development Company of Ontario, Limited:			
Amount assumed at date of purchase of Company by Commission, December 1, 1920	$4,335,000.00		
Less: Retired by the Commission	1,063,500.00		
	$3,271,500.00		
Interest accrued thereon	27,262.50		
		3,298,762.50	
			18,924,230.79
Other debentures assumed:			
In respect of purchase of lines at Streetsville:			
Amount assumed at date of purchase	$6,000.00		
Less: Retired by the Commission	5,104.77		
	$895.23		
Interest accrued thereon	22.38		
		$917.61	
In respect of purchase of original Muskoka Power Development:			
Amount assumed at date of purchase	$50,595.93		
Less: Retired by the Commission	31,355.65		
	$19,240.28		
Interest accrued thereon	734.30		
		19,974.58	
In respect of purchase of sundry rural lines:			
Amount assumed at dates of purchase	$69,289.85		
Less: Retired by the Commission	30,414.37		
	$38,875.48		
Interest accrued thereon	1,010.58		
		39,886.06	
			60,778.25
Outstanding share capital of the Electrical Development Company of Ontario, Limited		$600.00	
Galetta Electric Power and Milling Company, Limited		580.00	
			1,180.00
Accounts payable		$1,421,978.61	
Interest coupons due but not presented for payment		20,933.12	
			1,442,911.73
Bank of Montreal:			
Demand loan (secured)			4,500,000.00
Insurance Department:			
Outstanding claims and awards		$814,391.86	
Surplus		91,890.75	
			906,282.61
Reserve for Staff Pensions			2,947,736.64
Carried forward			$261,702,106.02

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS		
Brought forward		$276,186,587.86
Insurance Funds:		
(*a*) Invested in securities of the Dominion of Canada—par value, $800,000.00	$804,740.88	
(*b*) Invested in securities of the Province of Ontario—par value, $28,000.00	28,785.32	
Interest accrued thereon	617.78	
	$834,143.98	
(*c*) On deposit with Workmen's Compensation Board	51,222.94	
		885,366.92
Staff Pension Funds:		
(*a*) Invested in securities of the Province of Ontario—par value, $2,855,000.00	$2,811,152.78	
(*b*) Invested in securities of the Dominion of Canada—par value, $55,000.00	53,252.56	
Interest accrued thereon	32,163.95	
		2,896,569.29
Reserve Funds:		
(*a*) Invested in securities of the Dominion of Canada—par value, $3,791,850.00	$3,777,566.69	
(*b*) Invested in securities of the Canadian National Railway, guaranteed by the Dominion of Canada—par value, $1,000,000.00	1,018,949.14	
(*c*) Invested in securities of the Province of Ontario—par value, $29,618,500.00	29,200,533.85	
(*d*) Invested in securities of the Commission guaranteed by the Province of Ontario—par value, $1,200,000.00	1,185,876.32	
(*e*) Invested in securities of the Temiskaming and Northern Ontario Railway, guaranteed by the Province of Ontario—par value, $240,000.00	206,487.32	
(*f*) Invested in debentures of Ontario municipalities, which debentures were received from certain municipalities upon the sale thereto of their local distribution systems—par value, $1,499,342.70	1,379,810.32	
Interest accrued thereon	453,851.28	
		37,223,074.92
Other Bonds and Shares taken over with the plant assets of power companies acquired—carried at a value of $24,915.00	$24,915.00	
Interest accrued thereon	332.51	
		25,247.51
Cash:		
In banks	$863,126.18	
In banks to pay bond interest due November 1, 1932, and interest coupons overdue but not presented	190,431.44	
Sinking funds on deposit with trustees for bondholders	419,600.07	
In hands of employees as advances on account of expenses	87,486.22	
	$1,560,643.91	
Less: Funds of Guelph Radial Railway shown elsewhere in this balance sheet	16,362.49	
		1,544,281.42
Carried forward		$318,761,127.92

COMMISSION OF ONTARIO

and Liabilities, October 31, 1932

TAKINGS—Continued

LIABILITIES

Brought forward		$261,702,106.02
Balances due to municipalities in respect of amounts paid by them to October 31, 1932, in excess of the cost of power supplied to them as provided to be paid under the Power Commission Act:		
Niagara system	$1,139,553.57	
Georgian Bay system	42,290.97	
Eastern Ontario system	163,626.13	
Thunder Bay system	892.51	
		1,346,363.18
Reserves for Sinking Fund:		
Niagara system	$21,808,954.04	
Niagara rural lines	12,890.98	
Thunder Bay system	887,461.03	
Georgian Bay system	816,185.21	
Georgian Bay rural lines	765.26	
Eastern Ontario system	857,536.86	
Bonnechere storage system	1,733.81	
	$24,385,527.19	
Service buildings and equipment	110,305.28	
Office buildings	143,295.99	
		24,639,128.46
Reserves for Renewals:		
Niagara system	$16,629,892.53	
Niagara rural lines	5,282.76	
Thunder Bay system	1,140,522.40	
Georgian Bay system	1,298,058.48	
Georgian Bay rural lines	443.27	
Eastern Ontario system	3,056,319.03	
Sudbury district	54,907.66	
Patricia district	8,160.02	
	$22,193,586.15	
Service buildings and equipment	302,713.12	
Office buildings	108,399.43	
		22,604,698.70
Reserves for Obsolescence and Contingencies:		
Niagara system	$12,440,735.02	
Niagara rural lines	2,588.80	
Thunder Bay system	711,241.06	
Georgian Bay system	367,197.47	
Georgian Bay rural lines	186.82	
Eastern Ontario system	1,314,734.73	
Sudbury district	101,715.99	
		14,938,399.89
Balance at credit of interest account		17,643.13
Contingent Liabilities:		
In respect of contracts entered into for power undertakings in course of construction... $506,232.47		
Carried forward		$325,248,339.38

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

Assets			
Brought forward			$318,761,127.92
Accounts receivable:			
Due by municipalities and sundry customers in respect of construction work, supply sales, etc	$412,540.04		
Less: Reserve for doubtful accounts	22,093.86		
		$390,446.18	
Due by municipalities and sundry customers in respect of power accounts	$4,477,537.93		
Less: Reserve for doubtful accounts	538,171.54		
		3,939,366.39	
Sinking fund and interest accounts owing in respect of rural lines		394.80	
Claim against Dominion Government in respect of income taxes paid for the thirteen months ending December 31, 1921		72,334.46	
			4,402,541.83
Balances due by municipalities in respect of the costs of power supplied to them, as provided to be paid under the Power Commission Act:			
Niagara system		$276,189.54	
Georgian Bay system		94,504.30	
Eastern Ontario system		72,277.37	
Thunder Bay system		161,816.38	
			604,787.59
Owing by Province of Ontario:			
In respect of power purchased and delivered over the Abitibi-Sudbury line in the period of thirteen months up to October 31, 1932			212,394.11
Rural loans:			
Loans made to persons under provisions of the Rural Power District Loans Act in respect of installations of electrical equipment		$63,793.21	
Instalments of principal received		7,070.69	
		$56,722.52	
Interest instalments due		626.82	
			57,349.34
Work in progress:			
Expenditure on account of various systems chargeable upon completion to:			
Capital construction		$10,735.76	
Operating and maintenance expenses		25,037.99	
			35,773.75
Insurance unexpired			30,589.87
Discount on debentures issued by the Commission, less amounts written off:			
On debenture issue of $3,200,000 maturing 1941		$67,650.81	
On debenture issue of $4,000,000 maturing 1939		41,018.40	
			108,669.21
Total Power Undertakings			$324,213,233.62

COMMISSION OF ONTARIO

and Liabilities, October 31, 1932

TAKINGS—Continued

LIABILITIES

Brought forward	$325,248,339.38
Total Power Undertakings	$325,248,339.38

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

Assets			
Brought forward			$324,213,233.62
Guelph Radial Railway:			
Road and equipment		$444,205.06	
Materials and supplies		5,802.38	
Reserve funds:			
(*a*) Invested in securities of the Province of Ontario—par value, $25,000.00	$22,499.49		
(*b*) Invested in securities of the Dominion of Canada—par value, $25,000.00	24,759.72		
Interest accrued thereon	1,056.44	48,315.65	
Cash:			
In the general bank account of the Commission at Toronto	$16,362.49		
In bank at Guelph	1,210.02		
In hands of employees as advances on account of expenses	1,500.00	19,072.51	
Accounts receivable:	$1,231.85		
Less: Reserve for doubtful accounts	250.00	981.85	
Insurance and expenses prepaid		1,174.77	
Due by the City of Guelph:			
Operating deficit for the year ending October 31, 1932—as per Operating Account	$36,885.41		
Less: Paid on account, by the City	35,000.00	1,885.41	521,437.63
Sandwich, Windsor & Amherstburg Railway Company:			
Undertaking of the Sandwich, Windsor and Amherstburg Railway Company to pay the Hydro Radial Debentures issued by the Commission, and guaranteed by the Province of Ontario, in purchase of, and for the extension and betterment of, the Sandwich, Windsor and Amherstburg Railway—as per agreement covering the transfer at July 31st, 1931, of the Railway, by the Commission, to the Company		$5,816,205.00	
Interest accrued on such debentures		61,839.63	
NOTE.—The Hydro Radial Debentures above mentioned (and which are also listed opposite as liabilities of the Commission) are—under Statute of 1930 and under Trust Deed dated July 31st, 1931, in favour of the Guaranty Trust Company, as Trustee—secured by: (*a*) A charge upon the properties of the Railway. (*b*) Debentures of the eleven municipalities which own the Railway Company, to the aggregate amount of $5,816,205.00.			5,878,044.63
Carried forward			$330,612,715.88

COMMISSION OF ONTARIO

and Liabilities, October 31, 1932

UNDERTAKINGS

LIABILITIES

Brought forward			$325,248,339.38
In respect of the Guelph Radial Railway:			
City of Guelph—purchase price of the Railway payable thereto, in half yearly instalments according to purchase agreement	$150,000.00		
Less: Twenty-three instalments thereon	73,505.41	$76,494.59	
Debentures issued by the Commission and guaranteed by the Province of Ontario:			
Five per cent Debentures due 1970 issued to retire $300,000.00 of Debentures which matured in 1931 and which had been issued for the purpose of making extensions and betterments to the Railway.		300,000.00	
Instalments of principal and interest payable to the City of Guelph, May 1 and November 1, 1932, under the terms of the purchase agreement		11,700.00	
Accounts payable and accrued charges	$1,258.12		
Provision for unredeemed tickets	1,300.00		
		2,558.12	
Premium on sale of debentures—*less* portion written off		21,444.61	
Reserve—created by payment of instalments on the purchase price out of the revenue of the road and assessments against the City of Guelph		73,505.41	
Reserve for sinking fund		4,801.68	
Reserve for renewal of road and equipment		30,933.22	
			521,437.63
In respect of the Sandwich, Windsor & Amherstburg Railway Company:			
Debentures issued under provisions of the Hydro-Electric Railway Act, by the Commission and guaranteed by the Province of Ontario in purchase of the Railway and for the purpose of making extensions and betterments thereto.			
Four and one-half per cent debentures, due April 1, 1960		$2,100,000.00	
Six per cent debentures, due July 1, 1961		900,000.00	
Five per cent debentures, due September 1, 1943		966,205.00	
Five per cent debentures, due July 1, 1945		750,000.00	
Five per cent debentures, due September 1, 1945		100,000.00	
Five per cent debentures, due July 15, 1946		1,000,000.00	
		$5,816,205.00	
Interest accrued thereon		61,839.63	
			5,878,044.63
Carried forward			$331,647,821.64

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

Assets		
Brought forward		$330,612,715.88
Toronto and York Radial Railway:		
City of Toronto—debentures held as collateral security for the repayment of the Hydro Radial debentures issued in purchase of the Toronto and York Radial Railway—as per agreement covering the transfer (in January, 1927) of the railway to the City of Toronto	$2,375,000.00	
City of Toronto—interest accrued on $2,375,000 debentures issued by the Commission in purchase of the Toronto and York Radial Railway	59,375.00	2,434,375.00
Port Credit to St. Catharines Radial Railway:		
Purchase of right-of-way and carrying charges (taxes, less rental revenue) down to October 31, 1932	$73,095.16	
Construction materials purchased, less amount realized on sale thereof	117,510.09	
Surveying, engineering, administrative expenses and interest	371,211.96	
		561,817.21
Toronto to Port Credit Radial Railway:		
Purchase of right-of-way and carrying charges (taxes, less rental revenue) down to October 31, 1932—less amounts realized on properties sold	$474,016.21	
Surveying, engineering, administrative expenses and interest	499,272.34	
		973,288.55
		$334,582,196.64

COMMISSION OF ONTARIO

and Liabilities, October 31, 1932

UNDERTAKINGS—Continued

LIABILITIES

Brought forward		$331,647,821.64
In respect of Toronto and York Radial Railway:		
Debentures issued by the Commission and guaranteed by the Province of Ontario:		
Six per cent debentures, due 1940, issued in purchase of the Metropolitan, Scarboro and Mimico Radial Railway divisions	$2,375,000.00	
Interest accrued thereon	59,375.00	2,434,375.00
In respect of the Port Credit to St. Catharines Radial Railway:		
Bank of Montreal—advances (secured by hypothecation of $1,200,000 Hydro Radial debentures, being part of an issue of $11,360,363 guaranteed by the Province of Ontario)		500,000.00
		$334,582,196.64

NIAGARA

Operating Account for the

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Power purchased		$5,513,435.12
Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of this system:		
Generation and transmission equipment	$4,346,851.39	
Rural power districts	546,720.01	
		4,893,571.40
Interest (including exchange) on capital investment in:		
Generation and transmission equipment	$10,400,734.38	
Rural power districts	290,757.17	
		10,691,491.55
Provision for renewals of:		
Generation and transmission equipment	$1,342,776.20	
Rural power districts	236,925.30	
		1,579,701.50
Provision for obsolescence and contingencies in respect of:		
Rural power districts	$118,462.65	
		118,462.65
Provision for sinking funds for repayment of the cash advances by the province of Ontario to the Commission and for the retirement of the bonds issued by and assumed by the Commission:		
By charges included in the cost of power delivered to municipalities and rural power districts	$1,411,161.64	
By charges against contracts with private companies which purchase power and local distribution systems	503,451.13	
By charges included in the cost of distribution of power within rural power districts	63,315.62	
		1,977,928.39
Total costs of operation		$24,774,590.61
Deduct:		
Cost to the Commission (including provisions for sinking fund $503,451.13 and renewals $322,065.22) of power delivered to private companies and customers under flat rate contracts, in excess of the revenue received from them—which excess has been charged against the Contingency Reserve of the system	$1,949,367.83	
Amount appropriated from the Contingency Reserve of the system and applied proportionately to each municipality in reduction of the costs of operation	595,280.80	
		2,544,648.63
		$22,229,941.98

SYSTEM

Year Ending October 31, 1932

Revenue for Period

Amounts received from (or billed against) each municipality by the Commission	$15,572,523.51	
Power sold to private companies and customers, also miscellaneous revenue	4,706,868.83	
Power supplied at cost to Sandwich, Windsor & Amherstburg Railway Company and Windsor, Essex & Lake Shore Radial Railway Association	109,352.79	
Amounts received from (or billed against) customers in rural power districts	2,070,703.84	
		$22,459,448.97
Add:		
Amounts due by certain municipalities, being the difference between the sums received (or billed) at interim rates and the amounts charged—following annual adjustment—in respect of power supplied in the year	$184,680.58	
Amounts due by municipalities comprising certain Rural Power Districts, being the difference between the sums received from (or billed against) customers therein and the amounts charged to such districts—following annual adjustment—in respect of power supplied in the year	63,151.36	
		247,831.94
		$22,707,280.91
Deduct:		
Amounts received from (or billed against) certain municipalities in excess of the sums required to be paid by them for power supplied in the year	$393,614.97	
Sums received from (or billed against) customers in certain Rural Power Districts in excess of the amounts charged to such districts—following annual adjustment—in respect of power supplied in the year	83,723.96	
		477,338.93
Revenue		$22,229,941.98
		$22,229,941.98

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each
by the Commission; the amount appropriated from the contingency
cost; the amount received by the Commission from each
charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Acton	33.00	33.00	218,283.01	748.6	4,824 64	5,420.36	11,175.47
Agincourt	40.00	40.00	47,557.28	141.2	910.02	1,274.71	2,427.34
Ailsa Craig	48.00	48.00	51,866 46	144.5	931.29	2,042.56	2,608.43
Alvinston	90.00	90.00	62,620.93	82.5	531.70	2,927.95	3,066.92
Amherstburg	40.00	40.00	196,729.63	646.3	4,165.33	5,502.00	10,060.81
Ancaster twp.	30.00	30.00	64,525.88	249.5	1,608.00	1,672.38	3,342.93
Arkona	75.00	75.00	34,010.47	56.2	362.20	1,726.88	1,653.71
Aylmer	35.00	35 00	136,202.49	468.3	3,018.14	4,014.74	6,874.62
Ayr	35.00	35.00	47,905.54	176.0	1,134.30	1,390 26	2,458.16
Baden	32.00	32.00	75,864.17	274.3	1,767.83	2,117.76	3,842 07
Beachville	33.00	33 00	114,370.27	419.2	2,701.70	3,243.84	5,811.39
Belle River	38.00	38.00	37,471.07	125.2	806.90	1,435 68	1,916.67
Blenheim	39.00	39.00	114,585.18	368.6	2,375.58	5,505.15	5,819.19
Blyth	58.00	58.00	39,736.40	90.5	583.26	1,592.19	1,990 89
Bolton	44.00	46.00	40,699 48	112.8	726.98	1,318 88	2,024.15
Bothwell	44.00	45.00	34,204 51	97.4	627.73	2,097.89	1,694 07
Brampton	29.00	29 00	499,814.97	2,034.9	13,114 70	15,081.96	25,846 87
Brantford	27.00	27.00	2,597,526.70	10,817.8	69,719 48	57,203 73	133,912.36
Brantford twp.	27.00	29 00	135,569.50	562.5	3,625.25	4,921 69	7,072 82
Bridgeport	34.00	36.00	42,030 05	146.3	942.89	1,244.84	2,180 27
Brigden	70 00	68.00	40,206.32	80.0	515.59	1,640.95	2,011.55
Brussels	52.00	54.00	51,210.75	125.6	809 48	1,967.81	2,571.19
Burford	35.00	35.00	39,138.11	140.4	904 86	1,417.84	2,005.19
Burgessville	43.00	44.00	20,920.45	56.1	361 56	1,539.43	1,034 42
Caledonia	29.00	29.00	71,981.09	281.0	1,811.01	1,941.31	3,715 29
Campbellville	60.00	62.00	8,396.05	26.9	173.37	839 62	430.84
Cayuga	50.00	50.00	35,548.41	99.4	640.62	1,462.36	1,801.28
Chatham	30 00	30.00	1,039,069.76	4,014.0	25,869.77	27,949.72	53,309.51
Chippawa	25.00	25.00	45,568.33	224 5	1,446 88	1,131.57	2,390 91
Clifford	56.00	59.00	29,179.82	61.0	393.14	1,170.55	1,459.35
Clinton	38.00	38.00	133,547 77	427.1	2,752.61	4,547.07	6,745.75
Comber	45 00	50.00	49,742.17	132.4	853.30	2,059 39	2,484.17
Cottam	44.00	44 00	21,870.46	62.4	402.16	828.69	1,115 54
Courtright	72.00	72.00	22,408.01	39.6	255.22	1,091.02	1,110 83
Dashwood	50.00	50.00	26,944.25	66.2	426.65	944 77	1,346.88
Delaware	36.00	38.00	10,000.45	37.2	239.75	506 46	514 37
Dorchester	38.00	38.00	21,423.38	72.7	468.54	1,045.23	1,090.87
Drayton	55.00	58.00	43,833.39	93.4	601.95	1,790.11	2,186 77
Dresden	45.00	45 00	95,969 91	277.1	1,785.88	3,606 00	4,840 28
Drumbo	45.00	45.00	21,657.26	67.2	433.10	794.75	1,098 43

SYSTEM *X.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,898.50	2,153.38	25,472.35	748.60	24,723.75	24,702.95	....	20.80
424.83	473.78	5,510.68	141.20	5,369.48	5,649.96	280.48	....
510.42	517.83	6,610.53	144.50	6,466.03	6,992.20	526.17	....
782.76	643.75	7,953.08	82.50	7,870.58	7,835.66	....	34.92
1,709.84	1,946.02	23,384.00	646.30	22,737.70	27,280.27	4,542.57	....
511.64	630.56	7,765.51	249.50	7,516.01	7,483.75	....	32.26
391.58	339.09	4,473.46	56.20	4,417.26	4,437.78	20.52	....
1,148.99	1,323.54	16,380.03	468.30	15,911.73	17,403.20	1,491.47	....
393.78	469.65	5,846.15	176.00	5,670.15	6,518.05	847.90	....
627.84	743.15	9,098.65	274.30	8,824.35	9,334.78	510.43	....
930.88	1,114.96	13,802.77	419.20	13,383.57	14,693.94	1,310.37	....
320.91	369.73	4,849.89	125.20	4,724.69	5,026.70	302.01	....
1,023.26	1,134.85	15,858.03	368.60	15,489.43	15,206.43	....	283.00
426.44	400.33	4,993.11	90.50	4,902.61	5,541.62	639.01	....
398.73	405.65	4,874.39	112.80	4,761.59	5,419.52	657.93	....
329.28	341.22	5,090.19	97.40	4,992.79	4,367.07	....	625.72
3,740.11	4,868.80	62,652.44	2,034.90	60,617.54	64,646.95	4,029.41	....
19,012.00	25,222.19	305,069.76	10,817.80	294,251.96	288,445.50	....	5,806.46
996.15	1,316.80	17,932.71	562.50	17,370.21	17,102.94	....	267.27
360.96	414.68	5,143.64	146.30	4,997.34	5,468.52	471.18	....
456.99	412.20	5,037.28	80.00	4,957.28	5,718.49	761.21	....
532.76	514.13	6,395.37	125.60	6,269.77	7,103.44	833.67	....
329.96	385.76	5,043.61	140.40	4,903.21	5,207.22	304.01	....
204.11	205.03	3,344.55	56.10	3,288.45	2,600.53	....	687.92
566.64	703.43	8,737.68	281.00	8,456.68	8,689.99	233.31	....
76.33	83.24	1,603.40	26.90	1,576.50	1,720.49	143.99	....
351.43	354.83	4,610.52	99.40	4,511.12	5,225.18	714.06	....
8,013.70	10,161.49	125,304.19	4,014.00	121,290.19	128,474.17	7,183.98	....
286.17	436.42	5,691.95	224.50	5,467.45	5,973.64	506.19	....
323.91	295.45	3,642.40	61.00	3,581.40	3,768.79	187.39	....
1,198.45	1,317.84	16,561.72	427.10	16,134.62	16,706.08	571.46	....
496.36	498.06	6,391.28	132.40	6,258.88	6,864.89	606.01	....
208.21	218.16	2,772.76	62.40	2,710.36	2,899.07	188.71	....
260.96	228.44	2,946.47	39.60	2,906.87	2,999.91	93.04	....
281.85	270.93	3,271.08	66.20	3,204.88	3,501.03	296.15	....
81.07	97.97	1,439.62	37.20	1,402.42	1,476.68	74.26	....
186.48	211.16	3,002.28	72.70	2,929.58	2,921.96	....	7.62
484.19	444.11	5,507.13	93.40	5,413.73	5,363.74	....	49.99
916.89	956.78	12,105.83	277.10	11,828.73	12,468.10	639.37	....
200.84	214.77	2,741.89	67.20	2,674.69	3,152.42	477.73	....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Dublin	58.00	58.00	18,135.97	39.8	256.51	753.57	899.19
Dundas	25.00	25.00	331,456.57	1,427.7	9,201.36	6,878.79	17,081.75
Dunnville	35.00	35.00	209,561.39	760.8	4,903.27	6,290.44	10,782.34
Dutton	38.00	38.00	61,532.05	220.9	1,423.68	2,292.00	3,109.77
East Windsor	31.00	31.00	722,450.70	2,617.8	16,871.42	17,545.84	37,054.38
Elmira	31.00	34.00	206,177.88	699.0	4,504.97	5,216.68	10,422.86
Elora	35.00	35.00	112,866.22	376.1	2,423.92	3,301.52	5,739.17
Embro	52.00	50.00	31,410.86	89.4	576.17	1,243.85	1,561.19
Erieau	56.00	56.00	30,330.76	70.3	453.07	1,599.75	1,527.82
Erie Beach	70.00	70.00	6,669.28	13.6	87.65	397.03	333.32
Essex	35.00	35.00	103,422.69	349.1	2,249.91	2,966.56	5,291.79
Etobicoke twp.	29.00	29.00	703,194.15	2,894.6	18,655.37	15,304.43	36,395.38
Exeter	38.00	38.00	129,164.59	404.8	2,608.89	3,887.71	6,445.98
Fergus	35.00	35.00	208,896.30	682.6	4,399.28	5,472.38	10,683.86
Fonthill	34.00	34.00	27,726.94	110.4	711.52	1,347.54	1,445.98
Forest	48.00	48.00	121,159.81	313.7	2,021.76	5,450.90	5,955.12
Galt	26.00	27.00	1,397,164.80	5,873.2	37,852.10	33,294.26	72,118.91
Georgetown	35.00	35.00	308,355.57	976.1	6,290.85	7,611.78	15,655.78
Glencoe	58.00	58.00	75,771.47	163.6	1,054.38	4,286.66	3,782.70
Goderich	42.00	42.00	363,931.08	1,035.4	6,673.03	11,722.79	18,255.80
Granton	48.00	50.00	22,827.69	59.2	381.54	1,200.26	1,140.27
Guelph	27.00	27.00	1,759,867.56	7,359.4	47,430.49	42,293.22	90,948.10
Hagersville	31.00	31.00	208,828.08	760.6	4,901.98	4,886.08	10,645.26
Hamilton	23.50	23.50	18,418,931.47	81,794.4	527,155.58	332,830.02	961,030.73
Harriston	42.00	44.00	101,610.41	293.4	1,890.93	3,978.81	5,124.30
Harrow	38.00	40.00	107,206.14	344.3	2,218.97	3,056.81	5,498.08
Hensall	50.00	50.00	61,060.24	145.8	939.66	2,118.19	3,025.25
Hespeler	29.00	29.00	415,505.74	1,709.0	11,014.31	10,530.26	21,633.40
Highgate	44.00	46.00	24,954.31	68.7	442.76	1,330.51	1,246.75
Humberstone	28.00	28.00	76,226.10	312.6	2,014.67	1,853.67	3,974.84
Ingersoll	28.00	28.00	519,032.66	2,027.0	13,063.78	12,727.12	26,520.76
Jarvis	38.00	38.00	62,634.32	188.7	1,216.15	1,788.68	3,146.39
Kingsville	38.00	38.00	130,086.72	414.1	2,668.83	3,825.16	6,620.87
Kitchener	27.00	27.00	3,531,411.04	14,769.0	95,184.51	75,063.22	182,090.28
Lambeth	42.00	42.00	30,562.24	96.8	623.86	1,174.14	1,551.89
LaSalle	36.00	36.00	67,103.66	227.5	1,466.21	1,971.19	3,454.39
Leamington	37.00	37.00	311,537.32	993.7	6,404.28	7,812.47	15,946.80
Listowel	36.00	37.00	255,677.47	868.9	5,599.96	8,555.56	13,080.29
London	26.00	26.00	6,589,672.45	28,407.3	183,081.79	130,736.05	341,743.34
London Ry. Com.	15.00	kw. hr.	320,512.58	1,109.0	7,147.38	9,612.91	15,998.20

SYSTEM *X.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
197.13	182.79	2,289.19	39.80	2,249.39	2,308.37	58.98	....
2,360.92	3,210.34	38,733.16	1,427.70	37,305.46	38,785.24	1,479.78	....
1,791.05	2,059.55	25,826.65	760.80	25,065.85	28,203.32	3,137.47	....
501.53	595.93	7,922.91	220.90	7,702.01	8,850.52	1,148.51	....
5,809.07	7,098.42	84,379.13	2,617.80	81,761.33	86,440.25	4,678.92	....
1,791.79	2,028.43	23,964.73	699.00	23,265.73	23,807.27	541.54	....
1,003.30	1,116.61	13,584.52	376.10	13,208.42	13,987.29	778.87	....
300.82	309.60	3,991.63	89.40	3,902.23	4,728.64	826.41	....
322.32	305.70	4,208.66	70.30	4,138.36	4,132.52	....	5.84
74.38	67.58	959.96	13.60	946.36	995.46	49.10	....
880.86	1,021.17	12,410.29	349.10	12,061.19	12,278.16	216.97	....
5,076.78	6,790.42	82,222.38	2,894.60	79,327.78	85,335.69	6,007.91	....
1,155.82	1,258.23	15,356.63	404.80	14,951.83	16,295.19	1,343.36	....
1,879.02	2,067.35	24,501.89	682.60	23,819.29	23,891.52	72.23	....
220.05	270.61	3,995.70	110.40	3,885.30	3,752.99	....	132.31
1,172.79	1,181.69	15,782.26	313.70	15,468.56	15,878.66	410.10	....
10,140.31	13,574.83	166,980.41	5,873.20	161,107.21	175,347.08	14,239.87	....
2,831.54	3,057.77	35,447.72	976.10	34,471.62	34,163.28	....	308.34
827.86	766.03	10,717.63	163.60	10,554.03	10,008.37	....	545.66
3,506.96	3,617.13	43,775.71	1,035.40	42,740.31	42,218.22	....	522.09
232.74	228.74	3,183.55	59.20	3,124.35	3,056.04	....	68.31
12,871.32	17,103.23	210,646.36	7,359.40	203,286.96	198,704.64	....	4,582.32
1,743.25	2,051.11	24,227.68	760.60	23,467.08	25,115.60	1,648.52	....
126,708.28	177,920.44	2,125,645.05	81,794.40	2,043,850.65	1,922,169.47	....	121,681.18
976.83	1,013.09	12,983.96	293.40	12,690.56	13,003.28	312.72	....
946.83	1,061.93	12,782.62	344.30	12,438.32	14,435.89	1,997.57	....
634.36	606.28	7,323.74	145.80	7,177.94	7,708.65	530.71	....
3,084.98	4,044.34	50,307.29	1,709.00	48,598.29	52,306.83	3,708.54	....
244.61	249.34	3,513.97	68.70	3,445.27	3,312.34	....	132.93
583.26	742.68	9,169.12	312.60	8,856.52	8,752.07	....	104.45
3,993.17	5,034.68	61,339.51	2,027.00	59,312.51	56,755.38	....	2,557.13
581.29	613.33	7,345.84	188.70	7,157.14	7,620.95	463.81	....
1,155.99	1,289.30	15,560.15	414.10	15,146.05	16,676.76	1,530.71	....
25,500.02	34,182.64	412,020.67	14,769.00	397,251.67	398,763.29	1,511.62	....
279.04	302.75	3,931.68	96.80	3,834.88	4,280.33	445.45	....
569.67	662.40	8,123.86	227.50	7,896.36	8,191.50	295.14	....
2,768.19	3,089.81	36,021.55	993.70	35,027.85	39,011.82	3,983.97	....
2,215.21	2,524.55	31,975.57	868.90	31,106.67	31,999.48	892.81	....
46,204.23	63,794.08	765,559.49	28,407.30	737,152.19	789,438.34	52,286.15	....
2,692.38	3,114.27	38,565.14	1,109.00	37,456.14	30,886.12	....	6,570.02

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
London twp.....	34.00	34.00	84,169.30	311.0	2,004.36	2,492.39	4,362.06
Long Branch...	29.00	29.00	169,225.28	667.7	4,303.25	4,592.65	8,884.72
Lucan.........	37.00	37.00	41,829.08	147.3	949.33	1,584.98	2,114.38
Lynden........	40.00	40.00	25,147.91	83.3	536.86	819.39	1,255.65
Markham......	43.00	43.00	70,103.12	229.3	1,477.81	3,277.01	3,591.21
Merlin.........	45.00	45.00	35,994.31	96.5	621.93	1,602.13	1,803.92
Merritton......	22.00	23.00	505,791.24	2,584.4	16,656.16	10,848.75	26,993.84
Milton.........	31.00	34.00	173,143.70	621.6	4,006.14	5,978.29	8,680.94
Milverton......	34.00	35.00	96,451.12	328.3	2,115.86	3,042.63	4,838.82
Mimico........	26.00	26.00	446,535.48	1,964.8	12,662.91	9,584.78	23,305.04
Mitchell.......	32.00	33.00	126,577.55	464.5	2,993.65	3,897.37	6,455.37
Moorefield.....	60.00	61.00	21,160.87	43.5	280.35	958.01	1,051.65
Mount Brydges.	45.00	42.00	27,112.20	92.2	594.22	1,188.40	1,387.76
Newbury.......	52.00	52.00	17,129.78	40.9	263.60	963.20	859.22
New Hamburg..	33.00	35.00	131,468.31	447.8	2,886.02	3,436.75	6,657.67
New Toronto...	29.00	30.00	1,228,941.14	4,868.6	31,377.57	27,693.13	63,121.69
Niagara Falls...	19.00	19.00	1,538,190.07	8,568.3	55,221.71	28,290.07	81,812.90
Niagara-on-Lake	27.00	27.00	97,157.45	473.3	3,050.36	3,473.92	5,120.03
Norwich.......	34.00	34.00	97,530.69	330.7	2,131.32	3,079.14	4,832.43
Oil Springs.....	42.00	45.00	62,988.96	173.2	1,116.25	2,377.25	3,151.21
Otterville......	43.00	43.00	28,350.63	74.3	478.85	1,454.49	1,360.84
Palmerston.....	38.00	40.00	131,719.83	422.6	2,723.61	4,754.94	6,695.30
Paris..........	28.00	28.00	281,098.12	1,172.9	7,559.21	7,170.25	14,466.47
Parkhill........	62.00	62.00	63,445.86	132.5	853.95	2,421.95	3,155.00
Petrolia........	40.00	40.00	290,515.81	880.1	5,672.14	10,263.28	14,682.75
Plattsville......	62.00	62.00	25,875.43	62.2	400.87	1,069.92	1,288.75
Point Edward..	40.00	40.00	153,075.54	537.2	3,462.19	6,361.66	7,850.52
Port Colborne..	28.00	28.00	317,925.72	1,303.8	8,402.84	8,147.99	16,523.29
Port Credit.....	32.00	32.00	129,463.15	484.4	3,121.90	4,199.75	6,677.10
Port Dalhousie..	28.00	30.00	115,959.40	477.5	3,077.43	3,338.98	6,028.49
Port Dover.....	40.00	40.00	103,487.55	325.5	2,097.81	4,004.43	5,232.43
Port Rowan....	80.00	70.00	35,180.76	69.8	449.85	1,352.28	1,747.20
Port Stanley....	40.00	40.00	111,237.00	356.1	2,295.02	3,846.50	5,577.06
Preston........	27.00	27.00	625,208.10	2,669.2	17,202.69	15,152.39	32,219.97
Princeton......	55.00	55.00	39,678.26	109.2	703.78	1,646.52	2,011.30
Queenston......	29.00	29.00	18,900.48	85.4	550.39	648.65	985.31
Richmond Hill..	38.00	38.00	82,718.45	286.4	1,845.82	2,514.55	4,247.64
Ridgetown.....	38.00	38.00	121,885.92	394.0	2,539.28	5,653.18	6,188.12
Riverside......	33.00	33.00	339,652.50	1,147.0	7,392.28	7,215.16	17,432.45
Rockwood......	45.00	45.00	34,863.44	100.6	648.36	1,017.21	1,758.92

SYSTEM *N.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
686.20	825.04	10,370.05	311.00	10,059.05	11,138.46	1,079.41	....
1,294.00	1,652.66	20,727.28	667.70	20,059.58	19,693.44	....	366.14
354.56	411 50	5,414.75	147.30	5,267.45	5,450.38	182.93	....
224.89	248.48	3,085.27	83.30	3,001.97	3,346.42	344.45	....
554.19	674.13	9,574.35	229.30	9,345.05	10,389.09	1,044.04	....
357.87	360.27	4,746.12	96.50	4,649.62	4,595.51	....	54.11
2,957.66	4,827.11	62,283.52	2,584.40	59,699.12	59,044.93	....	654.19
1,450.60	1,703.56	21,819.53	621.60	21,197.93	22,020.52	822.59	....
828.30	947.77	11,773.38	328.30	11,445.08	11,429.13	....	15.95
3,036.26	4,321.56	52,910.55	1,964.80	50,945.75	51,941.55	995 80	....
1,024.45	1,237.43	15,608.27	464.50	15,143.77	16,192.50	1,048.73	....
236.55	214.60	2,741.16	43.50	2,697.66	2,737.14	39.48	....
235.82	267.33	3,673.53	92.20	3,581.33	4,119.91	538.58	....
179.76	172.41	2,438.19	40.90	2,397.29	2,248.03	....	149.26
1,139.26	1,293.41	15,413.11	447.80	14,965.31	15,521.77	556.46	....
9,281.76	11,942.68	143,416.83	4,868.60	138,548.23	145,205.18	6,656.95	....
7,907.63	14,540.18	187,772.49	8,568.30	179,204.19	162,797.47	....	16,406.72
619.66	931.54	13,195.51	473.30	12,722.21	12,780.19	57.98	....
816.26	937.08	11,796.23	330.70	11,465.53	11,243.21	....	222.32
615.74	630.13	7,890.58	173.20	7,717.38	8,152.71	435.33	....
267.99	269.93	3,832.10	74.30	3,757.80	3,371.33	....	386.47
1,188.30	1,305.69	16,667.84	422.60	16,245.24	16,757.05	511.81	....
2,051.98	2,728.10	33,976.01	1,172.90	32,803.11	34,988.93	2,185.82	....
706.32	642.10	7,779.32	132.50	7,646.82	8,326.18	679.36	....
2,685.70	2,890.84	36,194.71	880.10	35,314.61	36,631.65	1,317.04	....
273.35	260.17	3,293.06	62.20	3,230.86	4,046.88	816.02	....
1,276.47	1,509.82	20,460.66	537.20	19,923.46	22,617.12	2,693.66	....
2,432.66	3,097.57	38,604.35	1,303.80	37,300.55	38,919.30	1,618.75	....
1,047.58	1,269.40	16,315.73	484.40	15,831.33	15,578.35	....	252.98
882.52	1,127.77	14,455.19	477.50	13,977.69	14,195.26	217.57	....
936.02	1,014.42	13,285.11	325.50	12,959.61	13,227.15	267.54	....
395.42	354.22	4,298.97	69.80	4,229.17	5,014.49	785.32	....
990.81	1,088.65	13,798.04	356.10	13,441.94	15,073.64	1,631.70	....
4,462.04	6,066.56	75,103.65	2,669.20	72,434.45	72,128.41	....	306.04
393.65	396.23	5,151.48	109.20	5,042.28	6,030.96	988.68	....
132.34	182.50	2,499.19	85.40	2,413.79	2,516.31	102.52	....
648.37	811.23	10,067.61	286.40	9,781.21	11,494.85	1,713.64	....
1,084.43	1,206.49	16,671.50	394.00	16,277.50	15,854.15	....	423.35
2,891.89	3,353.53	38,285.31	1,147.00	37,138.31	40,317.30	3,178.99	....
338.08	347.61	4,110.18	100.60	4,009.58	4,528.47	518.89	....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each
by the Commission; the amount appropriated from the contingency
cost; the amount received by the Commission from each
charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Rodney	45.00	45.00	51,020.41	134.0	863.61	2,264.06	2,547.68
St. Catharines	21.50	21.50	1,547,565.36	7,807.8	50,320.38	34,199.42	81,705.09
St. Clair Beach	38.00	38.00	27,510.62	85.3	549.75	801.18	1,402.93
St. George	40.00	40.00	41,816.48	132.7	855.24	1,950.79	2,116.33
St. Jacobs	32.00	32.00	43,287.58	156.8	1,010.56	1,195.04	2,210.84
St. Marys	34.00	34.00	387,364.67	1,429.1	9,210.39	12,377.04	19,795.38
St. Thomas	28.00	28.00	1,290,601.12	5,469.8	35,252.23	30,572.27	65,785.41
Sandwich	30.00	32.00	851,787.93	2,966.5	19,118.75	19,020.72	43,703.55
Sarnia	34.00	34.00	1,976,769.54	6,837.4	44,066.26	48,809.57	101,293.49
Scarboro twp.	32.00	32.00	754,359.49	2,712.7	17,483.04	15,803.69	38,393.13
Seaforth	34.00	35.00	134,528.77	461.3	2,973.03	4,300.03	6,761.81
Simcoe	31.00	31.00	364,639.95	1,422.9	9,170.43	11,259.21	18,651.44
Springfield	46.00	48.00	26,661.51	63.9	411.83	1,139.11	1,316.46
Stamford twp.	21.00	21.00	310,686.04	1,732.4	11,165.12	6,412.72	16,631.08
Stouffville	47.00	47.00	64,789.84	180.3	1,162.01	2,457.17	3,289.68
Stratford	30.00	30.00	1,782,304.05	7,216.8	46,511.45	43,136.25	92,063.94
Strathroy	34.00	34.00	248,012.70	909.5	5,861.62	7,179.65	12,695.55
Sutton	60.00	60.00	71,974.50	166.9	1,075.65	2,740.47	3,627.38
Tavistock	34.00	36.00	140,439.85	482.4	3,109.01	5,762.55	7,081.39
Tecumseh	35.00	37.00	113,801.59	363.5	2,342.72	2,921.97	5,823.59
Thamesford	40.00	40.00	45,583.81	143.6	925.49	1,679.75	2,301.25
Thamesville	40.00	40.00	50,402.78	165.5	1,066.63	2,506.06	2,562.01
Thedford	68.00	72.00	30,872.54	56.4	363.49	1,699.62	1,495.94
Thorndale	62.00	65.00	21,367.26	43.5	280.35	1,034.22	1,049.97
Thorold	24.00	25.00	393,624.88	1,885.2	12,149.90	9,447.92	20,833.35
Tilbury	38.00	38.00	142,370.77	474.8	3,060.03	4,788.24	7,257.47
Tillsonburg	33.00	33.00	232,192.02	810.6	5,224.22	6,875.86	11,782.26
Toronto	26.10	26.10	59,298,457.14	249,574.3	1,608,477.76	1,054,678.50	3,082,150.21
Toronto twp.	32.00	32.00	396,890.69	1,542.0	9,938.02	11,685.60	20,596.98
Walkerville	28.00	28.00	1,867,828.79	7,200.1	46,403.82	38,013.15	96,077.64
Wallaceburg	35.00	36.00	508,854.65	1,627.0	10,485.83	14,685.94	25,784.45
Wardsville	65.00	60.00	15,001.37	32.7	210.75	926.79	750.75
Waterdown	31.00	34.00	59,965.46	223.7	1,441.72	1,565.14	3,068.51
Waterford	32.00	32.00	98,603.79	367.9	2,371.07	3,107.45	5,013.25
Waterloo	27.00	27.00	668,828.15	2,754.9	17,755.01	14,854.65	34,389.41
Watford	55.00	55.00	81,711.86	196.8	1,268.35	3,938.80	4,093.16
Welland	23.00	23.00	814,794 00	3,970.2	25,587.48	17,991.08	42,856.17
Wellesley	45.00	45.00	41,115.73	107.0	689.60	1,865.48	2,042.76
West Lorne	38.00	40.00	33,694.87	107.3	691.54	1,385.98	1,625 23
Weston	28 00	28.00	578,049.70	2,472.5	15,934.98	12,609.96	29,914 87

SYSTEM *X.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c	$ c.	$ c.	$ c.
509.24	505.40	6,689.99	134.00	6,555.99	6,119.49	....	436.50
9,242.03	14,798.50	190,265.42	7,807.80	182,457.62	169,626.54	....	12,831.08
248.83	273.10	3,275.79	85.30	3,190.49	3,440.05	249.56	....
381.03	413.16	5,716.55	132.70	5,583.85	5,610.05	26.20	....
357.55	423.86	5,197.85	156.80	5,041.05	5,335.41	294.36	....
3,070.53	3,792.24	48,245.58	1,429.10	46,816.48	49,392.63	2,576.15	....
8,925.86	12,304.05	152,839.82	5,469.80	147,370.02	163,054.11	15,684.09	....
7,080.15	8,393.06	97,316.23	2,966.50	94,349.73	99,909.22	5,559.49	....
16,672.81	19,515.83	230,357.96	6,837.40	223,520.56	246,967.56	23,447.00	....
5,583.62	7,292.40	84,555.88	2,712.70	81,843.18	86,804.76	4,961.58	....
1,149.61	1,321.71	16,506.19	461.30	16,044.89	16,323.34	278.45	....
2,772.75	3,508.54	45,362.37	1,422.90	43,939.47	46,840.89	2,901.42	....
277.93	265.66	3,410.99	63.90	3,347.09	3,227.17	....	119.92
1.594.08	2,936.51	38,739.51	1,732.40	37,007.11	36,380.72	....	626.39
603.49	647.81	8,160.16	180.30	7,979.86	8,950.86	971.00	....
13,274.61	17,370.83	212,357.08	7,216.80	205,140.28	230,000.47	24,860.19	....
2,034.81	2,432.43	30,204.06	909.50	29,294.56	32,780.12	3,485.56	....
738.63	726.04	8,908.17	166.90	8,741.27	10,015.00	1,273.73	....
1,176.77	1,364.32	18,494.04	482.40	18,011.64	17,493.87	....	517.77
1,008.90	1,127.65	13,224.83	363.50	12,861.33	14.145.20	1,283.87	....
417.03	451.27	5,774.79	143.60	5,631.19	6,076.02	444.83	....
443.75	498.53	7,076.98	165.50	6,911.48	6,714.72	....	196.76
345.70	307.11	4,211.86	56.40	4,155.46	4,211.53	56.07	....
239.81	216.37	2,820.72	43.50	2,777.22	2,947.47	170.25	....
2,527.58	3,780.97	48,739.72	1,885.20	46,854.52	47,574.34	719.82	....
1,239.86	1,406.92	17,752.52	474.80	17,277.72	19,105.07	1,827.35	....
1,972.19	2,276.84	28,131.37	810.60	27,320.77	28,459.23	1,138.46	....
379,243.69	576,524.90	6,701,075.06	249,574.30	6,451,500.76	6,513,889.35	62,388.59	....
3,093.49	3,879.89	49,193.98	1,542.00	47,651.98	49,345.84	1,693.86	....
14,189.08	18,268.29	212,951.98	7,200.10	205,751.88	215,498.71	9,746.83	....
4,564.04	5,042.49	60,562.75	1,627.00	58,935.75	59,701.50	765.75	....
163.30	151.59	2,203.18	32.70	2,170.48	2,017.50	....	152.98
492.20	588.84	7,156.41	223.70	6,932.71	7,947.25	1,014.54	....
784.99	954.94	12,231.70	367.90	11,863.80	12,500.05	636.25	....
4,907.78	6,482.31	78,389.16	2,754.90	75,634.26	79,423.00	3,788.74	....
848.78	820.68	10,969.77	196.80	10,772.97	11,397.64	624.67	....
5,178.69	7,812.00	99,425.42	3,970.20	95,455.22	91,314.35	....	4.140.87
417.76	411.23	5,426.83	107.00	5,319.83	5,098.11	....	221.72
300.75	329.57	4,333.07	107.30	4,225.77	4,294.13	68.36	....
4.064.47	5,609.27	68,133.55	2,472.50	65,661.05	69,230.30	3,569.25	....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Wheatley	51.00	51.00	63,020.76	148.5	957.07	2,052.59	3,168.96
Windsor	28.00	28.00	5,711,157.26	22,076.7	142,281.80	112,737.07	294,017.83
Woodbridge	35.00	35.00	85,126.00	292.8	1,887.06	2,548.56	4,337.73
Woodstock	27.00	27.00	1,163,803.29	4,763.3	30,698.92	26,862.16	59,821.11
Wyoming	54.00	54.00	25,690.53	60.4	389.27	1,655.05	1,282.77
York East twp.	32.00	32.00	1,165,629.05	4,883.9	31,476.18	46,613.25	61,090.06
York North twp.	32.00	32.00	672,254.52	2,489.1	16,041.96	20,307.85	34,982.24
Zurich	62.00	62.00	41,568.40	84.7	545.88	1,595.63	2,059.70
Toronto Transportation Comm.			128,290.08	513.3	3,308.16	3,609.81	5,961.27
Sandwich, Windsor and Amherstburg Railway Company.			770,676.74	2,915.6	18,790.71	15,579.89	39,862.65
Windsor, Essex and Lake Shore Railway Association			228,738.88	669.1	4,312.27	4,718.74	11,737.73
RURAL POWER DISTRICTS							
Acton R.P.D.—Erin, Esquesing and Nassagaweya twps.			2,915.91	10.0	64.45	75.81	150.62
Ailsa Craig R.P.D.—Lobo, McGillivray and Williams E. twps			1,937.98	5.6	36.10	65.25	99.49
Alvinston R.P.D. — Brooke twp			2,428.92	3.2	20.62	111.97	120.40
Amherstburg R.P.D.—Anderdon, Colchester N., Colchester S. and Malden twps			171,418.21	540.9	3,486.03	4,395.96	8,740.88
Aylmer R.P.D. — Bayham Dereham, Dorchester N., Dorchester S., Malahide, and Yarmouth twps			79,073.11	263.7	1,699.52	2,030.26	3,998.56
Ayr R.P.D.—Blenheim, Dumfries N. and Dumfries S. twps			9,308.51	35.5	228.78	293.79	481.78
Baden R.P.D. — Blandford, Blenheim, Easthope N., Easthope S., Waterloo, Wellesley, Wilmot, and Zorra E. twps.			90,638.54	329.2	2,121.65	2,192.73	4,666 63
Beamsville R.P.D.—Caister, Clinton, Gainsborough, Grimsby N., Grimsby S., Louth, Pelham, and Wainfleet twps			269,350.05	1,022.1	6,587 32	7,238.74	13,958.93
Belle River R.P.D.—Maidstone and Rochester twps.			74,694.37	253.2	1,631.84	2,073.75	3,817.77
Blenheim R.P.D. — Raleigh and Harwich twps			36,588.93	117.7	758.56	1,337.41	1,867.85

SYSTEM *N.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
658.25	633.44	7,470.31	148.50	7,321.81	8,021.89	700.08	....
43,267.36	55,846.04	648,150.10	22,076.70	626,073.40	664,737.02	38,663.62	....
729.55	838.52	10,341.42	292.80	10,048.62	10,340.48	291.86	....
8,540.82	11,239.45	137,162.46	4,763.30	132,399.16	137,373.13	4,973.97	....
270.30	258.75	3,856.14	60.40	3,795.74	3,441.36	....	354.38
7,499.74	11,336.96	158,016.19	4,883.90	153,132.29	156,283.97	3,151.68	....
5,026.80	6,600.10	82,958.95	2,489.10	80,469.85	79,651.71	....	818.14
467.03	421.37	5,089.61	84.70	5,004.91	5,541.21	536.30	....
976.62	1,251.44	15,107.30	513.30	14,594.00	16,313.42	1,719.42	....
5,960.67	7,548.46	87,742.38	2,915.60	84,826.78	84,826.78	....	....
2,147.10	2,279.27	25,195.11	669.10	24,526.01	24,526.01	....	....
25.37	28.77	345.02	10.00	335.02	335.02	see page	171
18.69	19.32	238.85	5.60	233.25	233.25	"	"
30.36	24.97	308.32	3.20	305.12	305.12	"	"
1,532.53	1,699.93	19,855.33	540.90	19,314.43	19,314.43	"	"
682.71	770.37	9,181.42	263.70	8,917.72	8,917.72	"	"
74.11	91.02	1,169.48	35.50	1,133.98	1,133.98	"	"
746.69	887.09	10,614.79	329.20	10,285.59	10,285.59	"	"
2,213.11	2,639.09	32,637.19	862 10	31,775.09	31,775.09	"	"
632.77	736.36	8,892.49	253.20	8,639.29	8,639.29	"	"
326.74	362.37	4,652.93	117.70	4,535.23	4,535.23	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Bond Lake R.P.D.—King, Markham, Vaughan, Whitchurch, York N. twps..	254,782.59	803.6	5,179.11	7,663.40	13,017.84
Bothwell R.P.D.—Aldborough, Ekfrid, Mosa, Orford and Zone twps..........	41,905.93	113.5	731.50	1,942.17	2,121.75
Brampton R.P.D.—Chinguacousy and Toronto twps.....................	29,796.51	118.8	765.65	1,357.09	1,548.56
Brant R.P.D. — Blenheim, Brantford, Burford, Dumfries S., Oakland and Onondaga twps....................	106,377.35	429.6	2,768.72	3,693.53	5,538.25
Brigden R.P.D.—Moore and Sombra twps............................	17,990.13	36.5	235.23	667.96	906.72
Burford R.P.D.—Brantford, Burford, Oakland, Townsend and Windham twps.	39,890.76	143.1	922.26	1,231.74	2,068.21
Caledonia R.P.D.—Ancaster, Barton, Binbrook, Caistor, Glanford, Grimsby S., Oneida, Onondaga and Seneca twps.	72,868.86	277.5	1,788.46	1,954.09	3,784.29
Chatham R.P.D.—Chatham, Dover E., Harwich and Raleigh twps...........	108,333.18	413.5	2,664.96	2,876.42	5,595.61
Chippawa R.P.D.—Bertie, Crowland and Willoughby twps................	20,716.80	99.6	641.91	452.01	1,076.44
Clinton R.P.D.—Goderich, Hay, Hullett, Stanley and Tuckersmith twps.......	41,075.63	121.5	783.05	1,543.52	2,091.68
Delaware R.P.D.—Caradoc, Delaware, Ekfrid, Lobo, London, Southwold and Westminster twps..................	73,471.14	273.3	1,761.39	1,925.56	3,776.09
Dorchester R.P.D.—Dorchester N., Dorchester S., London, Nissouri E., Nissouri W., Oxford N., Westminster and Yarmouth twps....................	89,370.77	306.5	1,975.36	2,394.06	4,544.63
Dresden R. P. D.—Camden, Chatham Gore and Dawn twps..............	12,141.25	35.1	226.22	363.09	621.72
Drumbo R.P.D.—Blandford, Blenheim and Burford twps..................	28,296.31	75.2	484.66	1,026.02	1,420.71
Dundas R. P. D.—Ancaster, Beverly, Flamboro W., Flamboro E., Glanford and Nelson twps..................	123,060.48	512.2	3,301.08	2,442.75	6,408.20
Dunnville R.P.D.—Canborough, Dunn and Moulton twps.................	8,607.80	31.8	204.95	231.32	448.30
Dutton R.P.D.—Aldborough and Dunwich twps.........................	35,814.88	117.2	755.34	1,260.13	1,821.59
Elmira R.P.D.—Peel, Pilkington and Woolwich twps....................	21,554.08	73.1	471.12	488.74	1,111.03
Elora R.P.D.—Garafraxa W., Nichol, Peel and Pilkington twps............	33,695.12	110.6	712.80	909.69	1,728.39
Essex R.P.D.—Colchester N., Gosfield N., Gosfield S., Maidstone, Mersea, Rochester and Sandwich S. twps.....	61,828.45	208.7	1,345.05	1,490.93	3,168.23

SYSTEM *N.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.		
2,162.70	2,517.33	30,540.38	803.60	29,736.78	29,736.78	see page	171
414.44	419.17	5,629.03	113.50	5,515.53	5,515.53	"	"
227.60	290.74	4,189.64	118.80	4,070.84	4,070.84	"	"
806.66	1,037.89	13,845.05	429.60	13,415.45	13,415.45	"	"
203.07	184.24	2,197.22	36.50	2,160.72	2,160.72	"	"
336.30	393.17	4,951.68	143.10	4,808.58	4,808.58	"	"
586.06	713.26	8,826.16	277.50	8,548.66	8,548.66	"	"
844.94	1,060.41	13,042.34	413.50	12,628.84	12,628.84	"	"
134.46	198.88	2,503.70	99.60	2,404.10	2,404.10	"	"
387.19	407.37	5,212.81	121.50	5,091.31	5,091.31	"	"
595.63	719.82	8,778.49	273.30	8,505.19	8,505.19	"	"
771.78	880.14	10,565.97	306.50	10,259.47	10,259.47	"	"
115.91	121.03	1,447.97	35.10	1,412.87	1,412.87	see page	173
285.63	283.08	3,500.10	75.20	3,424.90	3,424.90	"	"
911.87	1,195.84	14,259.74	472.20	13,787.54	13,787.54	"	"
72.54	84.49	1,041.60	31.80	1,009.80	1,009.80	"	"
313.64	349.55	4,500.25	117.20	4,383.05	4,383.05	"	"
187.27	212.05	2,470.21	73.10	2,397.11	2,397.11	"	"
302.52	333.66	3,987.06	110.60	3,876.46	3,876.46	"	"
526.60	610.48	7,141.29	208.70	6,932.59	6,932.59	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Exeter R.P.D.—Biddulph, Bosanquet, Hay, Hibbert, Stephen, Tuckersmith and Usborne twps.	90,615.95	252.3	1,626.04	2,576.71	4,562.42
Forest R.P.D.—Adelaide, Bosanquet, Plympton, Warwick and Williams W. twps.	13,615.58	32.5	209.46	570.75	673.21
Galt R.P.D.—Beverly, Dumfries N. and Dumfries S. twps.	40,343.03	165.7	1,067.92	2,023.92	2,099.82
Georgetown R. P. D.—Chinguacousy, Erin and Esquesing twps.	36,573.61	116.0	747.61	885.30	1,874.64
Goderich R.P.D.—Ashfield, Colborne, Goderich and Wawanosh W. twps.	35,670.92	77.9	502.06	1,482.82	1,757.46
Grantham R. P. D.—Grantham and Niagara twps.	126,184.08	578.1	3,725.80	4,037.96	6,622.09
Guelph R.P.D.—Eramosa, Guelph, Nassagaweya and Puslinch twps.	99,594.68	364.0	2,345.94	2,273.46	5,168.92
Haldimand R.P.D.—Cayuga N., Oneida, Rainham, Seneca and Walpole twps.	65,686.51	210.5	1,356.65	1,785.21	3,381.74
Harriston R.P.D.—Howick and Minto twps.	6,469.28	16.9	108.92	239.69	329.62
Harrow R.P.D.—Colchester N., Colchester S., Gosfield S. and Malden twps.	118,495.80	369.4	2,380.74	2,838.68	6,074.64
Ingersoll R.P.D.—Dereham, Dorchester N., Nissouri E., Oxford N., Oxford W., Zorra E. and Zorra W. twps.	91,209.82	301.8	1,945.07	2,527.66	4,653.46
Jordan R.P.D.—Grantham, Louth, Pelham and Thorold twps.	56,976.72	262.2	1,689.85	1,200.13	3,000.43
Keswick R.P.D.—Georgina, Gwillimbury N. and Gwillimbury E. twps.	139,678.41	376.9	2,429.08	4,930.48	7,139.41
Kingsville R.P.D.—Gosfield N., Gosfield S., Mersea and Romney twps.	178,944.24	564.6	3,638.78	4,296.57	9,099.22
Listowel R.P.D.—Elma, Grey, Maryborough, Mornington, Peel, Wallace and Wellesley twps.	35,222.23	119.7	771.45	1,108.76	1,813.88
London R.P.D.—Delaware, Lobo, London, Nissouri W. and Westminster twps.	370,830.93	1,368.0	8,816.60	8,106.99	18,493.56
Lucan R. P. D.—Biddulph, London, McGillivray and Stephen twps.	16,227.33	57.2	368.65	467.56	830.48
Lynden R. P. D.— Ancaster, Beverly, Brantford and Dumfries S. twps.	51,148.75	173.6	1,118.83	1,429.15	2,618.05
Markham R.P.D.—Markham, Pickering, Scarboro, Uxbridge and Whitchurch twps.	107,783.02	361.5	2,329.83	3,186.79	5,507.93
Merlin R.P.D.—Raleigh, Romney and Tilbury E. twps.	61,224.57	161.9	1,043.43	2,358.92	3,113.61
Milton R.P.D.—Esquesing, Nassagaweya, Nelson and Trafalgar twps.	39,637.83	140.7	906.80	1,515.30	2,047.56

SYSTEM *N.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
882.63	898.14	10,545.94	252.30	10,293.64	10,293.64	see page	173
137.50	133.66	1,724.58	32.50	1,692.08	1,692.08	"	"
299.33	392.29	5,883.28	165.70	5,717.58	5,717.58	"	"
335.42	362.62	4,205.59	116.00	4,089.59	4,089.59	"	"
378.32	352.50	4,473.16	77.90	4,395.26	4,395.26	"	"
858.40	1,215.91	16,460.16	448.10	16,012.06	16,012.06	"	"
824.90	978.11	11,591.33	364.00	11,227.33	11,227.33	"	"
600.63	650.62	7,774.85	210.50	7,564.35	7,564.35	"	"
65.51	64.84	808.58	16.90	791.68	791.68	"	"
1,067.97	1,175.94	13,537.97	369.40	13,168.57	13,168.57	"	"
802.19	895.64	10,824.02	301.80	10,522.22	10,522.22	"	"
384.58	549.06	6,824.05	262.20	6,561.85	6,561.85	"	"
1,336.29	1,406.68	17,241.94	376.90	16,865.04	16,865.04	"	"
1,600.67	1,675.11	20,310.35	564.60	19,745.75	19,745.75	"	"
305.16	347.78	4,347.03	119.70	4,227.33	4,227.33	"	"
2,832.20	3,498.33	41,747.68	1,368.00	40,379.68	40,379.68	see page	175
137.34	159.55	1,963.58	57.20	1,906.38	1,906.38	"	"
449.76	504.57	6,120.36	173.60	5,946.76	5,946.76	"	"
867.01	1,058.10	12,949.66	361.50	12,588.16	12,588.16	"	"
612.95	613.25	7,742.16	161.90	7,580.26	7,580.26	"	"
335.03	390.30	5,194.99	140.70	5,054.29	5,054.29	"	"

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Milverton R.P.D.—Ellice, Elma, Mornington and Wellesley twps.	20,330.27	69.2	445.99	588.67	1,044.37
Mitchell R.P.D.—Downie, Ellice, Elma, Fullarton, Hibbert, Logan and McKillop twps.	51,627.64	173.3	1,116.90	1,392.30	2,643.03
Newmarket R.P.D.—Georgina, Gwillimbury E., King, Scott, Uxbridge, and Whitchurch twps.	68,101.11	225.8	1,455.26	2,103.67	3,525.67
Niagara R.P.D.—Niagara and Stamford twps.	93,812.03	470.6	3,032.96	2,145.11	4,942.69
Norwich R.P.D.—Burford, Dereham, Middleton, Norwich N., Norwich S., Oxford E. and Windham twps.	67,524.08	225.3	1,452.03	1,873.90	3,336.03
Oil Springs R.P.D. — Brooke, Dawn, Enniskillen and Euphemia twps.	15,392.98	42.2	271.98	548.18	778.63
Palmerston R.P.D.—Arthur, Maryborough, Minto, Peel and Wallace twps.	11,407.84	36.6	235.88	359.48	587.84
Petrolia R.P.D.—Enniskillen, Moore, Plympton and Sarnia twps.	8,119.61	25.3	163.06	266.76	414.82
Preston R.P.D.—Dumfries N., Guelph, Puslinch, Waterloo and Woolwich twps.	207,571.20	795.9	5,129.49	4,974.10	10,715.04
Ridgetown R.P.D.—Aldborough, Harwich, Howard, Orford and Rondeau Park twps.	99,643.75	278.7	1,796.19	4,659.90	5,028.19
St. Jacobs R.P.D.—Peel, Waterloo, Wellesley and Woolwich twps.	62,490.67	224.3	1,445.58	1,453.30	3,203.23
St. Marys R.P.D.—Blanshard, Downie, Fullarton, Nissouri E., Nissouri W. and Usborne twps.	66,317.99	207.0	1,334.09	1,926.82	3,390.67
St. Thomas R.P.D.—Dunwich, Southwold, Westminster and Yarmouth twps.	116,302.53	445.3	2,869.91	2,860.63	5,910.07
Saltfleet R. P. D.— Barton, Binbrook, Grimsby N. and Saltfleet twps.	252,973.26	968.2	6,239.94	6,639.35	13,084.15
Sandwich R.P.D.—Anderdon, Colchester N., Maidstone, Sandwich E., Sandwich W. and Sandwich S. twps.	266,967.50	961.6	6,197.41	5,629.15	13,711.09
Sarnia R.P.D.—Moore, Plympton and Sarnia twps.	163,924.47	510.7	3,291.40	4,813.42	8,377.61
Scarboro R.P.D.—Pickering, Scarboro and York N. twps.	91,286.10	285.5	1,840.01	2,008.86	4,195.09
Seaforth R. P. D.— Hibbert, Hullett, McKillop and Tuckersmith twps.	14,805.30	48.6	313.22	439.66	757.92
Simcoe R.P.D.—Charlotteville, Townsend, Walpole, Windham and Woodhouse twps.	50,338.39	195.4	1,259.33	1,922.10	2,580.15
Stamford R.P.D.—Thorold twp.	47,402.89	223.4	1,439.78	876.22	2,503.88
Stratford R.P.D.—Downie, Easthope N., Easthope S. and Ellice twps.	46,630.29	187.8	1,210.35	1,078.22	2,414.16

SYSTEM *N.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
174.59	199.77	2,453.39	69.20	2,384.19	2,384.19	see page	175
448.46	508.18	6,108.87	173.30	5,935.57	5,935.57	“	“
568.68	679.94	8,333.22	225.80	8,107.42	8,107.42	“	“
574.25	896.84	11,591.85	470.60	11,121.25	11,121.25	“	“
570.04	648.20	7,880.20	225.30	7,654.90	7,654.90		
150.77	154.00	1,903.56	42.20	1,861.36	1,861.36	“	“
102.91	113.07	1,399.18	36.60	1,362.58	1,362.58	“	“
73.72	80.65	999.01	25.30	973.71	973.71	“	“
1,640.78	2,027.35	24,486.76	795.90	23,690.86	23,690.86	“	“
964.82	992.23	13,441.33	278.70	13,162.63	13,162.63	“	“
520.02	612.32	7,234.45	224.30	7,010.15	7,010.15	“	“
598.05	656.79	7,906.42	207.00	7,699.42	7,699.42	“	“
895.18	1,119.98	13,655.77	445.30	13,210.47	13,210.47	“	“
2,041.00	2,474.27	30,478.71	668.20	29,810.51	29,810.51	“	“
2,157.74	2,624.22	30,319.61	961.60	29,358.01	29,358.01	“	“
1,489.44	1,629.03	19,600.90	510.70	19,090.20	19,090.20	“	“
634.37	800.29	9,478.62	285.50	9,193.12	9,193.12	“	“
130.60	145.91	1,787.31	48.60	1,738.71	1,738.71	see page	177
384.79	484.63	6,631.00	195.40	6,435.60	6,435.60	“	“
310.92	456.02	5,586.82	223.40	5,363.42	5,363.42	“	“
349.19	454.67	5,506.59	187.80	5,318.79	5,318.79	“	“

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency cost; the amount received by the Commission from each charged to each Municipality in respect of power

Rural Power District	Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Strathroy R.P.D.—Adelaide, Caradoc, Ekfrid, Lobo, Metcalfe and Williams E. twps.	29,414.54	90.9	585.84	1,063.98	1,507.01
Streetsville R.P.D.—Chinguacousy, Esquesing, Toronto and Trafalgar twps.	97,172.90	322.3	2,077.19	2,954.38	4,987.52
Tavistock R.P.D.—Easthope N., Easthope S., Ellice and Zorra E. twps.	44,008.76	151.7	977.69	1,681.75	2.230.29
Thamesville R.P.D.—Camden, Chatham, Euphemia, Harwich, Howard, Orford and Zone twps.	30,393.97	99.8	643.20	1,128.94	1,561.91
Tilbury R.P.D.—Dover W., Rochester, Romney, Mersea, Tilbury E., Tilbury W. and Tilbury N. twps.	40,753.17	133.6	861.04	1,326.00	2,128.52
Tillsonburg R.P.D.—Bayham, Dereham, Dorchester S., Houghton, Malahide, Middleton, Norwich N., Norwich S. and Walsingham N. twps.	86,273.34	279.2	1,799.41	2,471.76	4,356.05
Wallaceburg R.P.D.—Chatham, Dover E. and Sombra twps.	60,639.38	189.8	1,223.24	1,647.46	3,079.59
Walsingham R. P. D.—Charlotteville, Houghton, Middleton, Walsingham N., Walsingham S. and Windham twps.	56,267.53	130.8	842.99	1,998.75	2,817.49
Walton R.P.D.—Grey, Hullett, McKillop, Morris, Wawanosh E. and Wawanosh W. twp.	31,516.76	80.5	518.81	1,119.57	1,591.64
Waterdown R. P. D.—Flamboro E., Flamboro W. and Nelson twps.	186,464.38	697.8	4,497.24	4,661.36	9,709.24
Waterford R. P. D.—Townsend and Windham twps.	38,219.37	142.6	919.04	1,129.12	1,956.35
Watford R.P.D.—Adelaide, Metcalfe and Warwick twps.	6,747.92	17.2	110.85	271.84	342.26
Welland R. P. D.—Bertie, Crowland, Humberstone, Moulton, Pelham, Thorold, Wainfleet and Willoughby twps.	255,951.77	1,063.9	6,856.71	8,384.10	12,995.83
Woodbridge R.P.D.—Albion, Chinguacousy, Etobicoke, King, Toronto, Toronto Gore, Vaughan, York N. twps.	153,862.46	516.6	3,329.43	3,593.58	7,848.89
Woodstock R. P. D.—Blandford, Blenheim, Burford, Oxford W., Oxford N., Oxford E., Zorra W. and Zorra E. twps.	131,464.75	491.6	3,168.31	2,970.22	6,727.63
Totals—Municipalities	138,317,794.69	572,228.4	3,687,946.44	2,883,556.93	7,165,279.10
Totals—Rural power districts	6,814,186.74	23,962.4	154,434.95	190,535.31	348,547.85
Totals—Companies	51,301,996.39	253,611.8	1,634,498.99	1,122,405.25	2,759,620.49
Totals—Local distribution systems	1,667,098.14	5,671.9	36,554.74	150,353.90	127,286.94
Non-operating capital	340,038.59				
	198,441,114.55				
Less:—*Adjustment (for purposes of this statement)	148,277.20				
Grand total	198,292,837.35	855,474.5	5,513,435.12	4,346,851.39	10,400,734.38

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*In respect of transfer to the books of the Commission, of the Dominion Power Company plants and equipment.

SYSTEM *N.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it reserve of the system and proportionately applied in reduction of such Municipality; and the amount remaining to be credited or supplied to it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
272.77	291.83	3,721.43	90.90	3,630.53	3,630.53	see page	177
862.50	960.79	11,842.38	322.30	11,520.08	11,520.08	"	"
367.96	427.55	5,685.24	151.70	5,533.54	5,533.54	"	"
267.59	300.62	3,902.26	99.80	3,802.46	3,802.46	"	"
369.81	410.58	5,095.95	133.60	4,962.35	4,962.35	"	"
773.76	850.55	10,251.53	279.20	9,972.33	9,972.33	"	"
551.59	601.69	7,103.57	189.80	6,913.77	6,913.77	"	"
596.13	562.08	6,817.44	130.80	6,686.64	6,686.64	"	"
321.88	315.77	3,867.67	80.50	3,787.17	3,787.17	"	"
1,540.05	1,829.27	22,237.16	417.80	21,819.36	21,819.36	"	"
304.27	370.15	4,678.93	142.60	4,536.33	4,536.33	"	"
68.56	67.60	861.11	17.20	843.91	843.91	"	"
1,860.39	2,430.49	32,527.52	1,063.90	31,463.62	31,463.62	"	"
1,340.53	1,516.89	17,629.32	516.60	17,112.72	17,112.72	"	"
1,053.29	1,280.59	15,200.04	491.60	14,708.44	14,708.44	"	"
963,795.90	1,344,591.94	16,045,170.31	572,228.40	15,472,941.91	15,681,876.30	393,614.97	184,680.58
56,915.08	66,569.70	817,002.89	23,052.40	793,950.49	793,950.49		
313,306.82	491,353.52	6,321,185.07	....	6,321,185.07	4,399,799.35	....	1,921,385.72*
8,758.40	12,097.61	335,051.59	....	335,051.59	307,069.48	....	27,982.11*
1,342,776.20	1,914,612.77	23,518,409.86	595,280.80	22,923,129.06	21,182,695.62	393,614.97	2,134,048.41

*Written off through Contingency Reserve.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Acton R.P.D.—Erin, Esquesing and Nassagaweya twps.	14,744.94	7,372.47	7,372.47	335.02
Ailsa Craig R.P.D.—Lobo, McGillivray and Williams E. twps.	9,136.52	4,568.26	4,568.26	233.25
Alvinston R.P.D.—Brooke twp.	5,443.70	2,721.85	2,721.85	305.12
Amherstburg R.P.D.—Anderdon, Colchester N., Colchester S. and Malden twps.	128,345.89	64,087.45	64,258.44	19,314.43
Aylmer R.P.D.—Bayham, Dereham, Dorchester N., Dorchester S., Malahide and Yarmouth twps.	*187,663.70	91,987.01	95,676.69	8,917.72
Ayr R.P.D.—Blenheim, Dumfries N. and Dumfries S. twps.	*40,130.92	20,029.98	20,100.94	1,133.98
Baden R.P.D.—Blandford, Blenheim, Easthope N., Easthope S., Waterloo, Wellesley, Wilmot and Zorra E. twps.	*163,651.98	81,489.80	82,162.18	10,285.59
Beamsville R.P.D.—Caistor, Clinton, Gainsborough, Grimsby N., Grimsby S., Louth, Pelham and Wainfleet twps.	344,834.51	166,495.05	178,339.46	31,775.09
Belle River R.P.D.—Maidstone and Rochester twps.	88,526.16	44,186.91	44,339.25	8,639.29
Blenheim R.P.D.—Raleigh and Harwich twps.	*104,765.90	51,533.68	53,232.22	4,535.23
Bond Lake R.P.D.—King, Markham, Vaughan Whitchurch and York N. twps.	313,500.12	156,750.06	156,750.06	29,736.78
Bothwell R.P.D.—Aldborough, Ekfrid, Mosa, Orford and Zone twps.	*57,246.91	28,291.44	28,955.47	5,515.53
Brampton R.P.D.—Chinguacousy and Toronto twps.	77,628.84	38,814.42	38,814.42	4,070.84
Brant R.P.D.—Blenheim, Brantford, Burford Dumfries S., Oakland and Onondaga twps.	*215,412.97	106,485.67	108,927.30	13,415.45
Brigden R.P.D.—Moore and Sombra twps.	53,051.89	26,525.95	26,525.94	2,160.72
Burford R.P.D.—Brantford, Burford, Oakland, Townsend and Windham twps.	90,236.05	45,118.02	45,118.03	4,808.58
Caledonia R.P.D.—Ancaster, Barton, Binbrook, Caistor, Glanford, Grimsby S., Oneida, Onondaga and Seneca twps.	197,283.10	98,416.28	98,866.82	8,548.66
Chatham R.P.D.—Chatham, Dover E., Harwich and Raleigh twps.	253,249.60	126,624.80	126,624.80	12,628.84
Chippawa R.P.D.—Bertie, Crowland and Willoughby twps.	57,421.86	28,708.05	28,713.81	2,404.10
Clinton R.P.D.—Goderich, Hay, Hullett, Stanley and Tuckersmith twps.	120,173.77	59,148.11	61,025.66	5,091.31
Delaware R.P.D.—Caradoc, Delaware, Ekfrid, Lobo, London, Southwold and Westminster twps.	*217,547.56	107,852.62	109,694.94	8,505.19
Dorchester R.P.D.—Dorchester N., Dorchester S., London, Nissouri E., Nissouri W., Oxford N., Westminster and Yarmouth twps.	*198,330.09	97,972.13	100,357.96	10,259.47

Items marked * include portions of transmission lines aggregating $48,421.61 used for

RURAL POWER DISTRICTS *N.—RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1932

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
393.46	352.86	291.89	145.94	76.84	1,596.01	1,353.89	....	242.12
220.77	218.11	180.42	90.21	47.50	990.26	936.54	....	53.72
108.96	131.56	108.83	54.42	28.65	737.54	471.56	....	265.98
5,745.20	2,931.89	2,421.85	1,210.93	638.45	32,262.75	35,719.13	3,456.38	....
6,471.61	4,406.98	3,572.67	1,786.33	959.67	26,114.98	28,970.48	2,855.50	....
1,369.00	960.82	793.38	396.69	209.23	4,863.10	4,016.05	....	847.05
4,121.45	3,739.72	3,080.06	1,540.03	814.37	23,581.22	21,548.07	....	2,033.15
20,842.49	8,261.00	6,484.09	3,242.05	1,798.92	72,403.64	78,246.21	5,842.57	....
4,172.27	2,105.74	1,738.83	869.42	458.54	17,984.09	21,079.62	3,095.53	....
4,161.53	2,526.84	2,056.24	1,028.12	550.24	14,858.20	16,982.74	2,124.54	....
14,563.93	7,313.68	6,049.90	3,024.95	1,592.64	62,281.88	63,691.44	1,409.56	....
2,939.95	1,376.51	1,125.37	562.64	299.75	11,819.75	10,883.82	....	935.93
2,527.64	1,871.49	1,548.10	774.05	407.54	11,199.66	10,246.15	....	953.51
9,650.60	5,086.60	4,159.36	2,079.68	1,107.66	35,499.35	31,832.57	....	3,666.78
1,407.24	1,225.66	1,013.87	506.94	266.90	6,581.33	5,433.09	....	1,148.24
4,043.39	2,131.24	1,762.97	881.48	464.10	14,091.76	13,048.41	....	1,043.35
7,142.05	4,724.69	3,899.25	1,949.63	1,028.85	27,293.13	25,412.94	....	1,880.19
11,156.45	5,727.82	4,738.07	2,369.04	1,247.30	37,867.52	38,986.20	1,118.68	....
2,344.53	1,215.45	1,005.39	502.69	264.68	7,736.84	8,402.36	665.52	....
3,646.97	2,897.69	2,359.43	1,179.72	631.00	15,806.12	15,088.29	....	717.83
8,635.68	5,222.83	4,283.49	2,141.74	1,137.33	29,926.26	30,946.30	1,020.04	....
9,405.93	4,801.42	3,924.03	1,962.02	1,045.56	31,398.43	30,405.77	....	992.66

purposes of rural power districts.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Dresden R.P.D.—Camden, Chatham Gore and Dawn twps.	36,069.15	18,034.57	18,034.58	1,412.87
Drumbo R.P.D.—Blandford, Blenheim and Burford twps.	*99,682.26	48,466.55	51,215.71	3,424.90
Dundas R.P.D.—Ancaster, Beverly, Flamboro W., Flamboro E., Glanford and Nelson twps.	228,247.73	110,655.78	117,591.95	13,787.54
Dunnville R.P.D.—Canborough, Dunn and Moulton twps.	28,419.84	14,209.92	14,209.92	1,009.80
Dutton R.P.D.—Aldborough and Dunwich twps.	72,575.03	36,287.51	36,287.52	4,383.05
Elmira R.P.D.—Peel, Pilkington and Woolwich twps.	34,218.72	17,109.36	17,109.36	2,397.11
Elora R.P.D.—Garafraxa W., Nichol, Peel and Pilkington twps.	81,199.13	40,340.99	40,858.14	3,876.46
Essex R.P.D.—Colchester N., Gosfield N., Gosfield S., Maidstone, Mersea, Rochester and Sandwich S. twps.	*139,097.96	68,662.04	70,435.92	6,932.59
Exeter R.P.D.—Biddulph, Bosanquet, Hay, Hibbert, Stephen, Tuckersmith and Usborne twps.	*131,744.98	65,140.82	66,604.16	10,293.64
Forest R.P.D.—Adelaide, Bosanquet, Plympton, Warwick and Williams W twps.	*56,420.70	27,877.83	28,542.87	1,692.08
Galt R.P.D.—Beverly, Dumfries N. and Dumfries S. twps.	77,140.48	38,570.24	38,570.24	5,717.58
Georgetown R.P.D.—Chinguacousy, Erin and Esquesing twps.	99,102.73	49,551.37	49,551.36	4,089.59
Goderich R.P.D.—Ashfield, Colborne, Goderich and Wawanosh W. twps.	61,396.67	30,432.63	30,964.04	4,395.26
Grantham R.P.D.—Grantham and Niagara twps.	137,617.06	64,728.53	72,888.53	16,012.06
Guelph R.P.D.—Eramosa, Guelph, Nassagaweya and Puslinch twps.	172,137.28	86,039.56	86,097.72	11,227.33
Haldimand R.P.D.—Cayuga N., Oneida, Rainham, Seneca and Walpole twps.	*99,007.20	48,264.28	50,742.92	7,564.35
Harriston R.P.D.—Howick and Minto twps.	*32,254.87	15,847.28	16,407.59	791.68
Harrow R.P.D.—Colchester N., Colchester S., Gosfield S. and Malden twps.	135,147.28	67,573.64	67,573.64	13,168.57
Ingersoll R.P.D.—Dereham, Dorchester N., Nissouri E., Oxford N., Oxford W., Zorra E. and Zorra W. twps.	284,585 37	142,292.68	142,292.69	10,522.22
Jordan R.P.D.—Grantham, Louth, Pelham and Thorold twps.	93,027.76	46,513.88	46,513.88	6,561.85
Keswick R.P.D.—Georgina, Gwillimbury N. and Gwillimbury E. twps.	155,465.50	75,167.64	80,297.86	16,865.04
Kingsville R.P.D.—Gosfield N., Gosfield S., Mersea and Romney twps.	*284,880.30	140,260.33	144,619.97	19,745.75
Listowel R.P.D.—Elma, Grey, Maryborough, Mornington, Peel, Wallace and Wellesley twps.	89,990.65	44,995.32	44,995.33	4,227.33

Items marked * include portions of transmission lines aggregating $48,421.61 used for

RURAL POWER DISTRICTS *X.—RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1932

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,000.95	869.34	719.12	359.56	189.31	4,551.15	4,195.55	....	355.60
3,495.52	2,423.00	1,949.33	974.66	527.64	12,795.05	12,107.80	....	687.25
8,431.43	5,463.64	4,254.81	2,127.40	1,189.76	35.254.58	37,760.71	2,506.13	....
1,391.31	579.76	479.58	239.79	126.25	3,826.49	2,446.64	....	1,379.85
4,070.64	1,746.36	1,444.59	722.30	380.29	12,747.23	10,260.05	....	2,487.18
1,948.72	684.45	566.18	283.09	149.05	6,028.60	4,827.03	....	1,201.57
3,974.34	1,950.38	1,603.87	801.94	424.71	12,631.70	11,225.47	....	1,406.23
4,528.13	3,350.24	2,735.85	1,367.93	729.55	19,644.29	23,583.63	3,939.34	....
8,988.38	3,137.55	2,566.13	1,283.06	683.24	26,952.00	26,837.27	....	114.73
2,016.68	1,361.15	1,112.86	556.43	296.41	7,035.61	6,253.67	....	781.94
2,493.94	1,814.44	1,500.91	750.46	395.11	12,672.44	12,897.12	224.68	....
3,053.04	2,305.61	1,907.21	953.60	502.07	12,811.12	11,646.40	....	1,164.72
1,953.20	1,410.33	1,161.30	580.65	307.12	9,807.86	7,586.55	....	2,221.31
8,237.64	3,465.61	2,540.36	1,270.18	754.68	32,280.53	32,807.81	527.28	....
6,745.67	4,051.89	3,350.68	1,675.34	882.34	27,933.25	25,298.05	....	2,635.20
5,139.42	2,404.57	1,946.41	973.21	523.62	18,551.58	17,943.59	....	607.99
935.66	792.83	644.62	322.31	172.65	3,659.75	2,945.45	....	714.30
5,772.86	3,181.54	2,631.78	1,315.89	692.82	26,763.46	31,380.18	4,616.72	....
11,242.48	6,817.15	5,639.17	2,819.58	1,484.51	38,525.11	32,398.66	....	6,126.45
4,620.06	2,179.59	1,802.96	901.48	474.63	16,540.57	19,161.46	2,620.89	....
8,207.92	3,302.02	2,628.85	1,314.44	719.05	33,037.32	31,039.34	....	1,997.98
15,562.79	6,767.71	5,511.08	2,755.54	1,473.75	51,816.62	54,234.46	2,417.84	....
4,366.41	2,100.46	1,737.51	868.76	457.40	13,757.87	12,629.10	....	1,128.77

purposes of rural power districts.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
London R.P.D.—Delaware, Lobo, London, Nissouri W. and Westminster twps.	*445,009.86	222,201.69	222,808.17	40,379.68
Lucan R.P.D.—Biddulph, London, McGillivray and Stephen twps.	*57,785.57	28,739.07	29,046.50	1,906.38
Lynden R.P.D.—Ancaster, Beverly, Brantford and Dumfries S. twps.	99,123.31	49,387.91	49,735.40	5,946.76
Markham R.P.D.—Markham, Pickering, Scarboro, Uxbridge and Whitchurch twps.	*219,093.51	108,611.56	110,481.95	12,588.16
Merlin R.P.D.—Raleigh, Romney and Tilbury E. twps.	*134,908.18	67,173.94	67,734.24	7,580.26
Milton R.P.D.—Esquesing, Nassagaweya, Nelson and Trafalgar twps.	107,405.36	53,702.68	53,702.68	5,054.29
Milverton R.P.D.—Ellice, Elma, Mornington and Wellesley twps.	61,870.97	30,935.49	30,935.48	2,384.19
Mitchell R.P.D.—Downie, Ellice, Elma, Fullarton, Hibbert, Logan and McKillop twps.	104,545.15	52,272.58	52,272.57	5,935.57
Newmarket R.P.D.—Georgina, Gwillimbury E., King, Scott, Uxbridge and Whitchurch twps.	111,442.59	55,721.29	55,721.30	8,107.42
Niagara R.P.D.—Niagara and Stamford twps.	*124,201.40	61,690.00	62,511.40	11,121.25
Norwich R.P.D.—Burford, Dereham, Middleton, Norwich N., Norwich S., Oxford E. and Windham twps.	*180,854.76	88,715.10	92,139.66	7,654.90
Oil Springs R.P.D.—Brooke, Dawn, Enniskillen and Euphemia twps.	29,475.91	14,737.95	14,737.96	1,861.36
Palmerston R.P.D.—Arthur, Maryborough, Minto, Peel and Wallace twps.	*59,827.84	29,633.77	30,194.07	1,362.58
Petrolia R.P.D.—Enniskillen, Moore, Plympton and Sarnia twps.	*25,416.61	12,162.25	13,254.36	973.71
Preston, R.P.D.—Dumfries N., Guelph, Puslinch, Waterloo and Woolwich twps.	*298,210.15	147,680.69	150,529.46	23,690.86
Ridgetown R.P.D.—Aldborough, Harwich, Howard, Orford and Rondeau Park twps.	199,313.74	99,656.87	99,656.87	13,162.63
St. Jacobs R.P.D.—Peel, Waterloo, Wellesley and Woolwich twps.	106,116.55	52,773.03	53,343.52	7,010.15
St. Marys R.P.D.—Blanshard, Downie, Fullarton, Nissouri E., Nissouri W. and Usborne twps.	189,595.63	94,797.82	94,797.81	7,699.42
St. Thomas R.P.D.—Dunwich, Southwold, Westminster and Yarmouth twps.	292,443.84	145,528.17	146,915.67	13,210.47
Saltfleet R.P.D.—Barton, Binbrook, Grimsby N. and Saltfleet twps.	288,136.13	141,228.57	146,907.56	29,810.51
Sandwich R.P.D.—Anderdon, Colchester N., Maidstone, Sandwich W., Sandwich E. and Sandwich S. twps.	336,484.01	168,242.00	168,242.01	29,358.01
Sarnia R.P.D.—Moore, Plympton and Sarnia twps.	*212,608.74	104,067.66	108,541.08	19,090.20
Scarboro R.P.D.—Pickering, Scarboro and York N. twps.	177,090.45	88,545.23	88,545.22	9,193.12

Items marked * include portions of transmission lines aggregating $48,421.61 used for

RURAL POWER DISTRICTS *N.—RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1932

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
24,733.14	10,277.57	8,489.50	4,244.75	2,238.06	90,362.70	90,303.42	....	59.28
1,625.03	1,390.47	1,144.05	572.02	302.79	6,940.74	6,405.47	....	535.27
3,166.54	2,273.35	1,875.42	937.71	495.05	14,694.83	13,770.92	....	923.91
7,850.03	5,068.29	4,155.10	2,077.55	1,103.67	32,842.80	38,416.27	5,573.47	....
4,635.10	3,265.25	2,689.81	1,344.90	711.04	20,226.36	18,126.18	....	2,100.18
3,952.40	2,294.77	1,898.24	949.12	499.71	14,648.53	14,424.00	....	224.53
2,206.40	1,416.98	1,172.13	586.07	308.56	8,074.33	6,938.66	....	1,135.67
4,774.15	2,497.46	2,065.91	1,032.95	543.85	16,849.89	16,042.14	....	807.75
5,399.98	2,589.39	2,141.95	1,070.98	563.87	19,873.59	19,208.14	....	665.45
6,232.22	2,963.85	2,435.31	1,217.65	645.41	24,615.69	25,589.22	973.53	....
8,900.81	4,143.11	3,364.63	1,682.32	902.21	26,647.98	24,120.35	....	2,527.63
1,693.87	678.69	561.41	280.70	147.79	5,223.82	5,346.11	122.29	....
1,586.65	1,412.60	1,157.27	578.64	307.61	6,405.35	4,741.13	....	1,664.22
1,282.48	637.58	505.64	252.82	138.84	3,791.07	3,496.33	....	294.74
11,319.60	7,017.48	5,748.45	2,874.23	1,528.13	52,178.75	52,432.43	253.68	....
7,552.06	4,762.21	3,939.31	1,969.65	1,037.02	32,422.88	30,622.03	....	1,800.85
4,411.62	2,535.61	2,092.64	1,046.32	552.16	17,648.50	16,944.97	....	703.53
4,397.76	4,539.03	3,754.70	1,877.35	988.42	23,256.68	21,896.00	....	1,360.68
14,001.70	6,878.35	5,662.04	2,831.02	1,497.84	44,081.42	45,735.28	1,653.86	....
18,437.99	6,962.18	5,541.56	2,770.78	1,516.09	65,039.11	70,661.14	5,622.03	....
24,569.38	7,952.32	6,578.18	3,289.09	1,731.71	73,478.69	75,840.33	2,361.64	....
13,880.02	5,048.02	4,086.27	2,043.14	1,099.26	45,246.91	47,086.09	1,839.18	....
5,460.91	4,107.60	3,397.82	1,698.91	894.48	24,752.84	30,291.27	5,538.43	....

purposes of rural power districts.

NIAGARA SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Seaforth R.P.D.—Hibbert, Hullett, McKillop and Tuckersmith twps.	29,350.27	14,044.69	15,305.58	1,738.71
Simcoe R.P.D.—Charlotteville, Townsend, Walpole, Windham and Woodhouse twps.	*122,899.77	59,323.98	63,575.79	6,435.60
Stamford R.P.D.—Thorold twp.	40,881.98	20,440.99	20,440.99	5,363.42
Stratford R.P.D.—Downie, Easthope N., Easthope S. and Ellice twps.	66,485.17	32,981.73	33,503.44	5,318.79
Strathroy R.P.D.—Adelaide, Caradoc, Ekfrid, Lobo, Metcalfe and Williams E. twps.	99,500.01	49,573.23	49,926.78	3,630.53
Streetsville R. P. D.—Chinguacousy, Esquesing, Toronto and Trafalgar twps.	181,448.70	90,724.35	90,724.35	11,520.08
Tavistock R.P.D.—Easthope N, Easthope S., Ellice and Zorra E. twps.	118,384.90	59,192.45	59,192.45	5,533.54
Thamesville R.P.D.—Camden Chatham, Euphemia, Harwich, Howard, Orford and Zone twps.	104,034.94	51,765.98	52,268.96	3,802.46
Tilbury R.P.D.—Dover W., Rochester, Romney, Mersea, Tilbury E., Tilbury W. and Tilbury N. twps.	*99,714.82	49,420.08	50,294.74	4,962.35
Tillsonburg R.P.D.—Bayham, Dereham, Dorchester S., Houghton, Malahide, Middleton, Norwich N., Norwich S. and Walsingham N. twps.	199,385.20	99,692.60	99,692.60	9,972.33
Wallaceburg R.P.D.—Chatham, Dover E. and Sombra twps.	151,121.67	75,219.45	75,902.22	6,913.77
Walsingham R.P.D. — Charlotteville, Houghton, Middleton, Walsingham N., Walsingham S. and Windham twps.	*131,499.59	65,220.78	66,278.81	6,686.64
Walton R.P.D.—Grey, Hullett, McKillop, Morris, Wawanosh E. and Wawanosh W. twps.	*78,047.96	37,267.28	40,780.68	3,787.17
Waterdown R.P.D.—Flamboro E., Flamboro W. and Nelson twps.	194,183.96	86,751.29	107,432.67	21,819.36
Waterford R.P.D.—Townsend and Windham twps.	114,016.04	57,008.02	57,008.02	4,536.33
Watford R.P.D.—Adelaide, Metcalfe and Warwick twps.	23,898.35	11,949.17	11,949.18	843.91
Welland R.P.D.—Bertie, Crowland, Humberstone, Moulton, Pelham, Thorold, Wainfleet and Willoughby twps.	*605,712.63	298,901.26	306,811.37	31,463.62
Woodbridge R.P.D.—Albion, Chinguacousy, Etobicoke, King, Toronto, Toronto Gore, Vaughan and York N. twps.	*329,095.70	163,661.60	165,434.10	17,112.72
Woodstock R.P.D.—Blandford, Blenheim, Burford, Oxford W., Oxford N., Oxford E., Zorra W. and Zorra E. twps.	221,581.81	110,790.91	110,790.90	14,708.44
	12,339,959.36	6,104,337.92	6,235,621.44	....
Non-operating capital	74,311.70	37,121.67	37,190.03	....
Totals	12,414,271.06	6,141,459.59	6,272,811.47	793,950.49

Items marked * include portions of transmission lines aggregating $48,421.61 used for

RURAL POWER DISTRICTS *N.—RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1932

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,318.22	725.56	574.97	287.48	158.00	4,802.94	4,919.88	116.94	....
4,292.95	2,960.98	2,364.66	1,182.33	644.78	17,881.30	17,561.89	....	319.41
5,339.53	967.53	800.34	400.17	210.69	13,081.68	12,824.79	....	256.89
4,371.33	1,598.68	1,312.00	656.00	348.13	13,604.93	12,755.02	....	849.91
3,487.98	2,398.73	1,977.16	988.58	522.35	13,005.33	11,607.16	....	1,398.17
5,753.78	4,179.38	3,457.20	1,728.60	910.11	27,549.15	27,670.19	121.04	....
5,514.44	2,825.15	2,336.97	1,168.49	615.21	17,993.80	15,462.57	....	2,531.23
4,260.77	2,469.50	2,032.72	1,016.36	537.77	14,119.58	13,566.86	....	552.72
2,967.96	2,348.51	1,925.21	962.60	511.43	13,678.06	14,256.26	578.20	....
7,967.20	4,732.82	3,915.00	1,957.50	1,030.62	29,575.47	28,048.66	....	1,526.81
6,400.60	3,635.66	2,993.92	1,496.96	791.72	22,232.63	22,446.22	213.59	....
3,839.93	2,905.88	2,382.59	1,191.30	632.79	17,639.13	18,631.26	992.13	....
2,858.85	1,925.54	1,522.55	761.27	419.30	11,274.68	11,786.50	511.82	....
12,018.53	4,879.56	3,219.97	1,609.99	1,062.58	44,609.99	54,999.34	10,389.35	....
3,374.43	2,627.10	2,173.14	1,086.57	572.08	14,369.65	14,934.70	565.05	....
873.47	577.69	477.87	238.94	125.80	3,137.68	3,080.46	....	57.22
26,216.84	13,815.34	11,183.54	5,591.77	3,008.45	91,279.56	95,989.72	4,710.16	....
10,932.13	7,809.42	6,424.68	3,212.34	1,700.58	47,191.87	50,338.24	3,146.37	....
9,612.94	5,271.76	4,360.82	2,180.41	1,147.98	37,282.35	36,218.62	....	1,063.73
....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....
546,720.01	290,757.17	236,925.30	118,462.65	63,315.62	2,050,131.24	2,070,703.84	83,723.96	63,151.36

purposes of rural power districts.

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Acton	Jan., 1913	597.71	....	....	597.71
Agincourt	Nov., 1922	430.55	....	....	430.55
Ailsa Craig	Jan., 1916	319.11	....	....	319.11
Alvinston	Apr., 1922	584.37	....	....	584.37
Amherstburg	Nov., 1925	2,619.51	....	....	2,619.51
Ancaster twp	May, 1923	151.87	....	....	151.87
Arkona	Dec., 1926	155.17	....	....	155.17
Aylmer	Mar., 1918	413.55	....	....	413.55
Ayr	Jan., 1915	731.76	....	....	731.76
Baden	May, 1912	263.84	....	....	263.84
Beachville	Aug., 1912	703.18	....	....	703.18
Belle River	Dec., 1922	149.24	....	....	149.24
Blenheim	Nov., 1915	380.83	....	....	380.83
Blyth	Jul., 1924	199.30	....	....	199.30
Bolton	Feb. 1915	....	88.93	88.93	....
Bothwell	Sep. 1915	....	92.07	92.07	....
Brampton	Nov. 1911	6,787.55	....	....	6,787.55
Brantford	Feb. 1914	9,823.21	....	....	9,823.21
Brantford twp	May, 1924	....	1,068.06	1,068.06	....
Bridgeport	Mar., 1928	....	35.21	35.21	....
Brigden	Jan., 1918	677.27	....	....	677.27
Brussels	Jul., 1924	....	3.29	3.29	....
Burford	Jun., 1915	585.92	....	....	585.92
Burgessville	Nov., 1916	....	50.84	50.84	....
Caledonia	Oct., 1912	44.67	....	....	44.67
Campbellville	Jan., 1925	20.55	....	....	20.55
Cayuga	Nov., 1924	566.02	....	....	566.02
Chatham	Feb., 1915	6,204.99	....	....	6,204.99
Chippawa	Sept., 1919	304.88	....	....	304.88
Clifford	May, 1924	....	320.94	320.94	....
Clinton	Mar., 1914	363.49	....	....	363.49
Comber	May, 1915	....	493.68	493.68	....
Cottam	Nov., 1926	286.23	....	....	286.23
Courtright	Dec., 1923	341.11	....	....	341.11
Dashwood	Sep., 1917	62.76	....	....	62.76
Delaware	Mar., 1915	....	21.16	21.16	....
Dorchester	Dec., 1914	159.56	....	....	159.56
Drayton	Mar., 1918	....	548.09	548.09	....
Dresden	Apr., 1915	790.17	....	....	790.17
Drumbo	Dec. 1914	1.65	....	245.03	246.68
Dublin	Oct. 1917	....	332.68	....	....
Dundas	Jan., 1911	916.69	....	....	916.69
Dunnville	Jun., 1918	2,189.14	....	....	2,189.14
Dutton	Sep., 1915	498.32	....	....	498.32
East Windsor	Nov., 1922	2,999.33	....	....	2,999.33

SYSTEM *N.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
11.30			20.80		9.50
9.13		280.48		289.61	
6.38		526.17		532.55	
10.09			34.92		24.83
53.18		4,542.57		4,595.75	
2.67			32.26		29.59
2.66		20.52		23.18	
8.23		1,491.47		1,499.70	
12.69		847.90		860.59	
4.64		510.43		515.07	
15.29		1,310.37		1,325.66	
3.28		302.01		305.29	
6.49			283.00		276.51
3.77		639.01		642.78	
	1.99	657.93		655.94	
	1.88		625.72		627.60
116.42		4,029.41		4,145.83	
187.88			5,806.46		5,618.58
	18.79		267.27		286.06
	0.70	471.18		470.48	
11.64		761.21		772.85	
	0.06	833.67		833.61	
11.95		304.01		315.96	
	0.93		687.92		688.85
0.74		233.31		234.05	
0.42		143.99		144.41	
11.16		714.06		725.22	
104.43		7,183.98		7,288.41	
6.73		506.19		512.92	
	6.03	187.39		181.36	
6.08		571.46		577.54	
	8.47	606.01		597.54	
6.26		188.71		194.97	
6.90		93.04		99.94	
1.31		296.15		297.46	
	0.39	74.26		73.87	
3.19			7.62		4.43
	15.99		49.99		65.98
13.47		639.37		652.84	
1.32		477.73		479.05	
	13.31	58.98			287.01
17.73		1,479.78		1,497.51	
44.26		3,137.47		3,181.73	
8.60		1,148.51		1,157.11	
52.77		4,678.92		4,731.69	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Elmira	Nov., 1913		864.08	864.08	
Elora	Nov., 1914	332.14		16.80	348.94
Embro	Jan., 1915	884.06			884.06
Erieau	Jul, 1924	26.38			26.38
Erie Beach	Jul, 1925	88.22			88.22
Essex	Nov., 1923	891.62			891.62
Etobicoke twp.	Aug. 1917	5,687.03			5,687.03
Exeter	Jun, 1916	851.85			851.85
Fergus	Nov., 1914	331.83			331.83
Fonthill	Jun, 1926	120.57			120.57
Forest	Mar., 1917	955.69			955.69
Galt	May, 1911	9,657.65			9,657.65
Georgetown	Sep., 1913	167.82			167.82
Glencoe	Aug., 1920	273.77			273.77
Goderich	Feb., 1914	538.43			538.43
Granton	Jul., 1916		12.91	12.91	
Guelph	Dec., 1910	6,393.82			6,393.82
Hagersville	Sep., 1913	1,424.78			1,424.78
Hamilton	Feb., 1911		13,495.45	13,495.45	
Harriston	Jul, 1916		894.36		7.58
Harrow	Nov. 1923	322.62			322.62
Hensall	Jan., 1917	427.50			427.50
Hespeler	Feb., 1911	5,937.55			5,937.55
Highgate	Dec., 1916		87.85	87.85	
Humberstone	Oct., 1924		413.55		
Ingersoll	May, 1911	2,048.50			2,048.50
Jarvis	Feb. 1924	384.60			384.60
Kingsville	Nov., 1923	902.57			902.57
Kitchener	Jan., 1911	28,607.15			28,607.15
Lambeth	Apr., 1915	366.04			366.04
La Salle	Nov., 1925	743.92			743.92
Leamington	Nov., 1923	90.72			90.72
Listowel	Jun., 1916	337.99			337.99
London	Jan., 1911	31,807.49			31,807.49
London Railway Commission	Aug., 1914		5,508.18		
London twp.	Jan., 1925	857.68			857.68
Long Branch	Jan., 1931	601.56			601.56
Lucan	Feb. 1915	484.85			484.85
Lynden	Nov. 1915	184.59			184.59
Markham	Apr., 1920	983.37			983.37
Merlin	Dec., 1922	153.35			153.35
Merritton	Nov., 1920		453.46	453.46	
Milton	Apr., 1913		1,728.72	1,728.72	
Milverton	Jun., 1916	248.31			248.31
Mimico	May, 1912	2,197.31			2,197.31

SYSTEM *N.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	17.09	541.54		524.45	
6.33		778.87		785.20	
16.25		826.41		842.66	
0.44			5.84		5.40
1.62		49.10		50.72	
19.39		216.97		236.36	
95.09		6,007.91		6,103.00	
14.24		1,343.36		1,357.60	
6.56		72.23		78.79	
2.37			132.31		129.94
19.01		410.10		429.11	
195.74		14,239.87		14,435.61	
2.88			308.34		305.46
5.54			545.66		540.12
10.94			522.09		511.15
	0.28		68.31		68.59
127.18			4,582.32		4,455.14
29.47		1,648.52		1,677.99	
	441.00		121,681.18		122,122.18
	35.93	312.72			625.15
6.35		1,997.57		2,003.92	
8.92		530.71		539.63	
120.38		3,708.54		3,828.92	
	1.75		132.93		134.68
	16.54		104.45		534.54
35.60			2,557.13		2,521.53
7.69		463.81		471.50	
16.47		1,530.71		1,547.18	
478.35		1,511.62		1,989.97	
8.00		445.45		453.45	
16.25		295.14		311.39	
1.58		3,983.97		3,985.55	
7.06		892.81		899.87	
531.86		52,286.15		52,818.01	
	220.33		6,570.02		12,298.53
17.15		1,079.41		1,096.56	
10.06			366.14		356.08
9.01		182.93		191.94	
3.85		344.45		348.30	
19.84		1,044.04		1,063.88	
2.93			54.11		51.18
	8.42		654.19		662.61
	30.98	822.59		791.61	
4.97			15.95		10.98
47.79		995.80		1,043.59	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Mitchell	Sep., 1911	442.86			442.86
Moorefield	Mar., 1918		280.62	282.60	1.98
Mount Brydges	Mar., 1915	682.64			682.64
Newbury	Mar., 1921	1.97			1.97
New Hamburg	Mar., 1911		224.27	224.27	
New Toronto	Feb., 1914	5,542.34			5,542.34
Niagara Falls	Dec. 1915		13,666.32		
Niagara-on-the-Lake	Aug. 1919	555.68			555.68
Norwich	May 1912	274.48			274.48
Oil Springs	Feb., 1918		358.83	358.83	
Otterville	Feb., 1916	274.67			274.67
Palmerston	Jul., 1916		757.27		
Paris	Feb., 1914	1,691.93			1,691.93
Parkhill	May, 1920	576.61			576.61
Petrolia	May, 1916	2,114.50			2,114.50
Plattsville	Dec., 1914	470.27			470.27
Point Edward	Nov., 1916	2,496.57			2,496.57
Port Colborne	Mar., 1920		1,748.20		
Port Credit	Aug., 1912	291.47			291.47
Port Dalhousie	Nov., 1912		106.53	106.53	
Port Dover	Dec., 1921	408.76			408.76
Port Rowan	Nov., 1926	1,292.90			1,292.90
Port Stanley	Apr., 1912	572.69			572.69
Preston	Jan., 1911	5,012.97			5,012.97
Princeton	Jan., 1915	1,037.05			1,037.05
Queenston	Mar., 1921	171.70			171.70
Richmond Hill	Jun., 1925	1,131.43			1,131.43
Ridgetown	Dec., 1915	216.69			216.69
Riverside	Nov., 1922	1,289.52			1,289.52
Rockwood	Sep., 1913	620.07			620.07
Rodney	Feb., 1917	50.91			50.91
St. Catharines	Apr., 1914		5,279.45	5,279.45	
St. Clair Beach	Nov., 1922	185.33			185.33
St. George	Sept., 1915	182.78			182.78
St Jacobs	Sept., 1917	196.32			196.32
St. Marys	May, 1911	3,402.67			3,402.67
St. Thomas	Apr., 1911	8,238.13			8,238.13
Sandwich	Feb., 1924		2,582.35	2,582.35	
Sarnia	Dec., 1916	19,273.31			19,273.31
Scarboro twp	Aug., 1918	8,571.91			8,571.91
Seaforth	Nov., 1911	408.57			408.57
Simcoe	Aug., 1915	3,042.73			3,042.73
Springfield	Aug., 1917		93.86	93.86	
Stamford twp	Nov., 1916	905.28			905.28
Stouffville	Sep., 1923	568.75			568.75

SYSTEM *N.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8.81		1,048.73		1,057.54	
	6.08	39.48		33.40	
12.20		538.58		550.78	
0.04			149.26		149.22
	4.41	556.46		552.05	
92.07		6,656.95		6,749.02	
	546.65		16,406.72		30,619.69
10.63		57.98		68.61	
5.58			222.32		216.74
	6.51	435.33		428.82	
4.66			386.47		381.81
	30.29	511.81			275.75
29.59		2,185.82		2,215.41	
12.60		679.36		691.96	
42.75		1,317.04		1,359.79	
9.27		816.02		825.29	
45.33		2,693.66		2,738.99	
	69.93	1,618.75			199.38
5.03			252.98		247.95
	3.07	217.57		214.50	
6.66		267.54		274.20	
21.62		785.32		806.94	
11.15		1,631.70		1,642.85	
83.82			306.04		222.22
21.26		988.68		1,009.94	
2.87		102.52		105.39	
26.13		1,713.64		1,739.77	
3.77			423.35		419.58
22.69		3,178.99		3,201.68	
11.04		518.89		529.93	
1.02			436.50		435.48
	103.28		12,831.08		12,934.36
3.26		249.56		252.82	
3.22		26.20		29.42	
4.00		294.36		298.36	
56.15		2,576.15		2,632.30	
143.15		15,684.09		15,827.24	
	47.98	5,559.49		5,511.51	
320.17		23,447.00		23,767.17	
171.44		4,961.58		5,133.02	
6.88		278.45		285.33	
53.54		2,901.42		2,954.96	
	1.91		119.92		121.83
17.21			626.39		609.18
12.06		971.00		983.06	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Stratford	Jan., 1911	22,039.10			22,039.10
Strathroy	Dec., 1914	2,711.87			2,711.87
Sutton	Aug., 1923	450.73		1.96	452.69
Tavistock	Nov., 1916	293.41			293.41
Tecumseh	Nov., 1922	80.66			80.66
Thamesford	Feb., 1914	344.82			344.82
Thamesville	Oct., 1915	451.17			451.17
Thedford	May, 1922		83.93	83.93	
Thorndale	Mar., 1914		254.54	254.54	
Thorold	Jan., 1921		731.97	731.97	
Tilbury	Apr., 1915	370.59			370.59
Tillsonburg	Aug., 1911	694.91			694.91
Toronto	Jun., 1911	375,289.75			375,289.75
Toronto twp	Aug., 1913	1,758.79			1,758.79
Walkerville	Nov., 1914	8,706.36			8,706.36
Wallaceburg	Feb., 1915		703.38	703.38	
Wardsville	Jun., 1921	298.54			298.54
Waterdown	Nov., 1911		326.83		
Waterford	Apr., 1915	815.75			815.75
Waterloo	Dec., 1910	3,405.73			3,405.73
Watford	Sep., 1917	881.34			881.34
Welland	Sep., 1917	1,994.39			1,994.39
Wellesley	Nov., 1916	176.06			176.06
West Lorne	Jan., 1917		756.60	756.60	
Weston	Jan., 1911	6,924.24			6,924.24
Wheatley	Feb., 1924		232.53	232.53	
Windsor	Oct., 1914	35,556.41			35,556.41
Woodbridge	Dec., 1914	7.38			7.38
Woodstock	Jan., 1911	7,906.51			7,906.51
Wyoming	Nov., 1916	102.19			102.19
York East twp	Jul., 1925	9,261.31			9,261.31
York North twp	Nov., 1923	3,230.12			3,230.12
Zurich	Sep., 1917	343.17			343.17
Toronto Transportation Comm	Jan., 1927	4,425.75			4,425.75
RURAL POWER DISTRICTS*					
Acton R.P.D.	Feb., 1928		167.87		
Ailsa Craig R.P.D.	Sep., 1930	94.16			1.93
Alvinston R.P.D.	Jun., 1929		141.80		
Amherstburg R.P.D.	Nov., 1923	23,264.32			
Aylmer R.P.D.	Nov., 1922	9,968.53			

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*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM *N.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
376.67		24,860.19		25,236.86	
54.82		3,485.56		3,540.38	
7.83		1,273.73		1,281.56	
5.61			517.77		512.16
1.42		1,283.87		1,285.29	
6.75		444.83		451.58	
8.73			196.76		188.03
	1.95	56.07		54.12	
	5.56	170.25		164.69	
	14.00	719.82		705.82	
6.32		1,827.35		1,833.67	
13.52		1,138.46		1,151.98	
7,177.67		62,388.59		69,566.26	
29.41		1,693.86		1,723.27	
153.19		9,746.83		9,900.02	
	15.22	765.75		750.53	
5.21			152.98		147.77
	13.07	1,014.54		674.64	
14.26		636.25		650.51	
66.63		3,788.74		3,855.37	
19.52		624.67		644.19	
35.75			4,140.87		4,105.12
2.94			221.72		218.78
	18.80	68.36		49.56	
136.05		3,569.25		3,705.30	
	4.14	700.08		695.94	
590.66		38,663.62		39,254.28	
0.15		291.86		292.01	
154.67		4,973.97		5,128.64	
2.04			354.38		352.34
158.91		3,151.68		3,310.59	
56.84			818.14		761.30
5.70		536.30		542.00	
100.93		1,719.42		1,820.35	
	6.71		242.12		416.70
3.71			53.72	42.22	
	5.67		265.98		413.45
930.57		3,456.38		27,651.27	
398.74		2,855.50		13,222.77	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Rural power districts	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Ayr R.P.D.	Jul., 1926	1,708.22			
Baden R.P.D.	Sept., 1922		562.37		
Beamsville R.P.D.	Jan., 1923	35,638.54			
Belle River R.P.D.	Dec., 1922	26,949.51			
Blenheim R.P.D.	Jul., 1924	13,139.96			
Bond Lake R.P.D.	Mar., 1924	44,956.05			
Bothwell R.P.D.	Dec., 1923	7,503.96			
Brampton R.P.D.	Nov., 1923	1,801.15			
Brant R.P.D	Oct., 1922	592.23			
Brigden R.P.D.	Jan., 1927		2,034.60		
Burford R.P.D.	Dec., 1926	3,515.26			
Caledonia R.P.D.	Oct., 1925		683.34		19.67
Chatham R.P.D.	May, 1922	15,999.21			
Chippawa R.P.D.	Jul., 1922	2,563.21			
Clinton R.P.D.	Jul., 1928		1,157.00		
Delaware R.P.D.	Oct., 1922	2,483.22			
Dorchester R.P.D.	Dec., 1921		835.51		
Dresden R.P.D.	May, 1928	48.26			
Drumbo R.P.D.	Aug., 1922	1,805.95			
Dundas R.P.D.	Jan., 1922	16,867.29			88.17
Dunnville R.P.D.	Jul., 1928		1,293.93		
Dutton R.P.D.	Feb., 1926	1,724.84			
Elmira R.P.D.	Jun., 1926		364.33		
Elora R.P.D.	Jan., 1926	788.76			42.68
Essex R.P.D.	Nov., 1924	13,395.05			
Exeter R.P.D.	Nov., 1922	12,347.26			
Forest R.P.D.	Nov., 1926	590.64			65.50
Galt R.P.D.	Oct., 1922	2,408.49			
Georgetown R.P.D.	Nov., 1924	3,509.58			
Goderich R.P.D.	Jun., 1925	267.89			
Grantham R.P.D.	Nov., 1924	535.04			
Guelph R.P.D.	Jan., 1925		4,508.73		
Haldimand R.P.D.	Oct., 1925	5,801.94			1,272.06
Harriston R.P.D.	Dec., 1929		506.45		
Harrow R.P.D.	Nov., 1923	11,197.69			
Ingersoll R.P.D.	Oct., 1922	3,851.29			71.19
Jordan R.P.D.	May, 1922	9,617.74			4.14
Keswick R.P.D.	Mar., 1924		4,599.27		
Kingsville R.P.D.	Nov., 1923	30,965.15			9.00
Listowel R.P.D.	Oct., 1926	1,650.60			
London R.P.D.	Nov., 1922	17,079.61		95.00	15.24
Lucan R.P.D.	Jun., 1926	228.02			

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SYSTEM *N.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
68.33			847.05	929.50	
	22.49		2,033.15		2,618.01
1,425.54		5,842.57		42,906.65	
1,077.98		3,095.53		31,123.02	
525.60		2,124.54		15,790.10	
1,798.24		1,409.56		48,163.85	
300.16			935.93	6,868.19	
72.05			953.51	919.69	
23.69			3,666.78		3,050.86
	81.38		1,148.24		3,264.22
140.61			1,043.35	2,612.52	
	27.99		1,880.19		2,611.19
639.97		1,118.68		17,757.86	
102.53		665.52		3,331.26	
	46.28		717.83		1,921.11
99.33		1,020.04		3,602.59	
	33.42		992.66		1,861.59
1.93			355.60		305.41
72.24			687.25	1,190.94	
674.69		2,506.13		19,959.94	
	51.76		1,379.85		2,725.54
68.99			2,487.18		693.35
	14.57		1,201.57		1,580.47
30.27			1,406.23		629.88
535.80		3,939.34		17,870.19	
493.89			114.73	12,726.42	
21.66			781.94		235.14
96.34		224.68		2,729.51	
140.38			1,164.72	2,485.24	
10.72			2,221.31		1,942.70
21.40		527.28		1,083.72	
	180.35		2,635.20		7,324.28
210.88			607.99	4,132.77	
	20.26		714.30		1,241.01
447.91		4,616.72		16,262.32	
153.81			6,126.45		2,192.54
384.65		2,620.89		12,619.14	
	183.97		1,997.98		6,781.22
1,238.33		2,417.84		34,612.32	
66.02			1,128.77	587.85	
684.42			59.28	17,784.51	
9.12			535.27		298.13

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Rural power districts	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Lynden R.P.D.	Feb., 1922	978.46			
Markham R.P.D.	Dec., 1922	20,200.58			
Merlin R.P.D.	Nov., 1928		1,489.72		
Milton R.P.D.	Jan., 1925	5,777.39			
Milverton R.P.D.	Aug., 1927		2,875.58		
Mitchell R.P.D.	Dec., 1925	2,393.51			
Newmarket R.P.D.	Mar., 1924	6,242.40			
Niagara R.P.D.	Jan., 1922	20,323.68			102.45
Norwich R.P.D.	May, 1925	9,775.93			12.35
Oil Springs R.P.D.	Dec., 1925	2,548.69			
Palmerston R.P.D.	Oct., 1926		1,951.93		21.19
Petrolia R.P.D.	Aug., 1923		230.64		
Preston R.P.D.	Apr., 1922	8,818.01			259.97
Ridgetown R.P.D.	Mar., 1922	3,830.82			
St. Jacobs R.P.D.	Nov., 1922	4,676.42			407.40
St. Marys R.P.D.	Dec., 1927		6,158.89		
St. Thomas R.P.D.	Aug., 1923	15,234.06		63.27	
Saltfleet R.P.D.	Feb., 1922		3,323.23		218.92
Sandwich R.P.D.	Jul., 1922	56,981.51			
Sarnia R.P.D.	Jun., 1923	10,801.70			
Scarboro R.P.D.	Dec., 1923	18,034.73			
Seaforth R.P.D.	Nov., 1927		456.72		
Simcoe R.P.D.	Nov., 1922	3,491.06			
Stamford R.P.D.	Mar., 1922	8,043.28			46.67
Stratford R.P.D.	Jul., 1924	1,028.63			12.15
Strathroy R.P.D.	Dec., 1926	855.47			
Streetsville R.P.D.	Nov., 1922	18,413.96			
Tavistock R.P.D.	Apr., 1923		3,304.50		
Thamesville R.P.D.	Nov., 1927	1,697.30			
Tilbury R.P.D.	Dec., 1923	4,258.54			
Tillsonburg R.P.D.	Dec., 1923	8,154.40			
Wallaceburg R.P.D.	Jan., 1923	8,940.29			
Walsingham R.P.D.	Dec., 1926	1,983.69			
Walton R.P.D.	Nov. 1924	1,886.14			
Waterdown R.P.D.	Oct., 1922	30,333.47			
Waterford R.P.D.	Nov., 1923		1,253.68		
Watford R.P.D.	Dec., 1929		278.50		
Welland R.P.D.	Apr., 1922	37,988.31			1,017.62
Woodbridge R.P.D.	Jan., 1923	11,989.09			
Woodstock R.P.D.	Feb., 1922	12,332.33			
Totals		1,371,226.81	92,879.58	31,477.64	712,315.99

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*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM *N.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each municipality in respect of power supplied in the year as a Credit or Charge to each municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
39.14			923.91	93.69	
808.02		5,573.47		26,582.07	
	59.59		2,100.18		3,649.49
231.10			224.53	5,783.96	
	115.02		1,135.67		4,126.27
95.74			807.75	1,681.50	
249.70			665.45	5,826.65	
812.27		973.53		22,007.03	
390.83			2,527.63	7,626.78	
101.95		122.29		2,772.93	
	78.14		1,664.22		3,715.48
	9.22		294.74		534.60
348.44		253.68		9,160.16	
153.23			1,800.85	2,183.20	
177.52			703.53	3,743.01	
	246.36		1,360.68		7,765.93
610.64		1,653.86		17,561.83	
	134.07	5,622.03		1,945.81	
2,279.26		2,361.64		61,622.41	
432.07		1,839.18		13,072.95	
721.39		5,538.43		24,294.55	
	18.27	116.94			358.05
139.64			319.41	3,311.29	
321.42			256.89	8,061.14	
40.74			849.91	207.31	
34.22			1,398.17		508.48
736.56		121.04		19,271.56	
	132.18		2,531.23		5,967.91
67.89			552.72	1,212.47	
170.34		578.20		5,007.08	
326.18			1,526.81	6,953.77	
357.61		213.59		9,511.49	
79.35		992.13		3,055.17	
75.45		511.82		2,473.41	
1,213.34		10,389.35		41,936.16	
	50.15	565.05			738.78
	11.14		57.22		346.86
1,509.38		4,710.16		43,190.23	
479.56		3,146.37		15,615.02	
493.29			1,063.73	11,761.89	
39,610.86	3,262.70	477,338.93	247,831.94	1,139,553.57	276,189.54

NIAGARA SYSTEM

Reserve for Renewals—October 31, 1932

Total provision for renewals to October 31, 1931	$16,018,453.96	
Deduct:		
Expenditures to October 31, 1931	1,231,438.07	
Balance brought forward October 31, 1931		$14,787,015.89
Added during the year ending October 31, 1932:		
Amounts charged to municipalities as part of the cost of power delivered to them	$1,020,710.98	
Amounts included in costs of distribution of power within rural power districts	236,925.30	
Provision against equipment employed in respect of contracts with private companies which purchased power and against equipment in local distribution systems	322,065.22	
Reserve provided in respect of lines transferred to certain rural power districts from power properties	2,224.83	
Interest at 4% per annum on the monthly balances at the credit of the account	591,480.64	
		2,173,406.97
		$16,960,422.86
Deduct:		
Provision for renewals on lines and equipment sold to sundry municipalities	$1,406.89	
Provision for renewals to October 31, 1931, in respect of Scott Street Steam Plant property which is now disposed of	124,544.42	
Expenditures during the year ending October 31, 1932	204,579.02	
		330,530.33
Balance carried forward October 31, 1932		$16,629,892.53

NIAGARA SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1932

Balance brought forward October 31, 1931			$14,629,578.26
Amount provided to October 31, 1931, in respect of properties known as the "Dominion Power Properties"			115,697.72
Added during the year ending October 31, 1932:			
Amounts included in the costs of distribution of power within rural power districts		118,462.65	
Interest at 4% per annum on monthly balances at the credit of the account		585,183.13	
			703,645.78
			$15,448,921.76
Deduct:			
Contingencies met with during the year incidental to plant operations		$61,428.13	
Cost to the Commission (including provisions for Sinking Fund $503,451.13 and Renewals $322,065.22) of power delivered to private companies and customers under flat rate contracts in excess of the revenue received from them		1,949,367.83	
Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet capital retirements NOTE:—Above amount is exclusive of American exchange on interest coupons.	$514,185.18		
Less—Profit on English exchange in connection with the transfer of funds to London to retire debenture stock	112,075.20		
		402,109.98	
Amount appropriated from the Contingency Reserve and applied proportionately to each municipality in reduction of the cost of delivery of power thereto		595,280.80	
			3,008,186.74
Balance carried forward October 31, 1932			$12,440,735.02

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1932

Municipality	Period of years ending Oct. 31, 1932	Amount	Municipality	Period of years ending Oct. 31, 1932	Amount
		$ c.			$ c.
Acton	15 years	30,489.17	Elmira	14 years	43,020.82
Agincourt	8 “	4,431.65	Elora	13 “	20,786.44
Ailsa Craig	12 “	8,769.61	Embro	13 “	5,897.84
Alvinston	9 “	8,603.59	Erieau	9 “	2,478.25
Amherstburg	15 “	24,324.08	Erie Beach	8 “	643.18
Ancaster twp	9 “	7,212.25	Essex	9 “	13,873.16
Arkona	6 “	2,479.38	Etobicoke twp	10 “	79,546.25
Aylmer	9 “	20,336.07	Exeter	11 “	20,912.33
Ayr	13 “	7,296.42	Fergus	13 “	25,281.78
Baden	15 “	17,660.88	Fonthill	7 “	2,351.03
Beachville	15 “	21,529.77	Forest	10 “	14,707.04
Belle River	10 “	4,555.41	Galt	16 “	284,752.36
Blenheim	12 “	19,103.52	Georgetown	14 “	49,924.77
Blyth	9 “	4,300.59	Glencoe	9 “	9,481.57
Bolton	12 “	9,735.02	Goderich	13 “	63,694.65
Bothwell	12 “	10,281.55	Granton	11 “	4,319.34
Brampton	16 “	83,343.96	Guelph	16 “	333,433.78
Brantford	13 “	422,457.46	Hagersville	14 “	43,449.04
Brantford twp	9 “	13,452.30	Hamilton	16 “	1,870,477.61
Bridgeport	5 “	2,140.43	Harriston	11 “	17,138.78
Brigden	10 “	6,369.01	Harrow	9 “	9,485.41
Brussels	9 “	6,152.76	Hensall	11 “	7,598.95
Burford	12 “	6,884.05	Hespeler	16 “	49,551.83
Burgessville	11 “	2,885.11	Highgate	11 “	5,394.17
Caledonia	15 “	11,031.56	Humberstone	9 “	8,380.37
Campbellville	8 “	731.40	Ingersoll	16 “	94,747.96
Cayuga	8 “	3,963.76	Jarvis	9 “	6,899.05
Chatham	12 “	201,478.05	Kingsville	9 “	18,769.21
Chippawa	10 “	8,793.10	Kitchener	16 “	634,997.65
Clifford	9 “	2,953.16	Lambeth	12 “	4,709.82
Clinton	13 “	23,720.24	LaSalle	7 “	5,938.03
Comber	12 “	10,263.00	Leamington	9 “	32,975.35
Cottam	6 “	1,581.57	Listowel	11 “	36,411.85
Courtright	9 “	2,702.70	London	16 “	1,145,236.95
Dashwood	10 “	4,499.23	London Ry. Comm.	13 “	77,605.15
Delaware	12 “	1,426.14	London twp	8 “	6,575.78
Dorchester	13 “	3,550.96	Long Branch	2 “	3,978.05
Drayton	9 “	6,029.19	Lucan	12 “	10,418.84
Dresden	12 “	16,065.52	Lynden	12 “	7,840.67
Drumbo	13 “	3,272.85	Markham	9 “	8,075.72
Dublin	10 “	3,030.15	Merlin	9 “	6,558.84
Dundas	16 “	75,080.63	Merritton	11 “	42,913.51
Dunnville	9 “	28,253.22	Milton	14 “	57,948.39
Dutton	12 “	9,972.54	Milverton	11 “	25,455.10
East Windsor	10 “	112,802.85	Mimico	15 “	65,893.56

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1932

Municipality	Period of years ending Oct. 31, 1932	Amount
		$ c.
Mitchell	16 years	22,789.60
Moorefield	9 "	3,195.47
Mount Brydges	12 "	3,501.49
Newbury	9 "	2,160.36
New Hamburg	16 "	26,269.83
New Toronto	13 "	210,186.51
Niagara Falls	12 "	290,121.85
Niagara-on-Lake	9 "	14,392.79
Norwich	15 "	19,548.29
Oil Springs	9 "	13,428.18
Otterville	11 "	4,083.16
Palmerston	11 "	21,508.88
Paris	13 "	59,170.72
Parkhill	9 "	8,982.90
Petrolia	11 "	52,566.01
Plattsville	13 "	4,623.71
Point Edward	10 "	22,811.04
Port Colborne	11 "	43,497.80
Port Credit	15 "	17,251.94
Port Dalhousie	11 "	14,732.08
Port Dover	9 "	11,079.28
Port Rowan	6 "	2,906.24
Port Stanley	15 "	19,896.18
Preston	16 "	142,339.91
Princeton	13 "	3,897.53
Queenston	9 "	3,341.19
Richmond Hill	8 "	6,992.50
Ridgetown	12 "	20,709.01
Riverside	10 "	37,317.94
Rockwood	14 "	5,752.36
Rodney	10 "	6,130.67
St. Catharines	11 "	259,563.60
St. Clair Beach	10 "	3,163.72
St. George	12 "	6,845.74
St. Jacobs	10 "	7,153.62
St. Marys	16 "	69,654.68
St. Thomas	16 "	237,830.74
Sandwich	9 "	111,044.97
Sarnia	11 "	290,686.22
Scarboro twp	9 "	72,344.99
Seaforth	16 "	34,414.01
Simcoe	12 "	42,800.62
Springfield	10 "	4,749.92
Stamford Twp	11 "	42,365.49
Stouffville	9 "	6,715.70
Stratford	16 years	307,773.52
Strathroy	13 "	42,752.87
Sutton	9 "	6,040.27
Tavistock	11 "	21,646.60
Tecumseh	10 "	11,721.69
Thamesford	13 "	8,670.56
Thamesville	12 "	8,597.77
Thedford	9 "	4,202.55
Thorndale	13 "	4,719.84
Thorold	10 "	39,415.26
Tilbury	12 "	22,403.90
Tillsonburg	16 "	43,328.89
Toronto	16 "	9,145,449.91
Toronto twp	14 "	42,166.16
Walkerville	13 "	320,310.18
Wallaceburg	12 "	92,757.37
Wardsville	9 "	1,637.38
Waterdown	16 "	12,178.89
Waterford	12 "	15,561.36
Waterloo	16 "	128,459.61
Watford	10 "	10,416.65
Welland	10 "	133,600.76
Wellesley	11 "	9,055.32
West Lorne	11 "	15,679.40
Weston	16 "	113,783.85
Wheatley	9 "	5,501.81
Windsor	13 "	951,295.58
Woodbridge	13 "	14,439.00
Woodstock	16 "	188,447.32
Wyoming	11 "	3,989.73
York East twp	8 "	97,749.41
York North twp	9 "	39,473.44
Zurich	10 "	6,865.12
Toronto Trans. Com.	11 "	124,434.31
Sandwich, Windsor & Amherstburg Ry. Co.	10 "	88,826.48
Windsor, Essex & Lake Shore Railway Association	3 "	8,849.94

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system and interest allowed thereon to October 31, 1932

Rural power district*	Period of years ending Oct. 31, 1932	Amount	Rural power district	Period of years ending Oct. 31, 1932	Amount
		$ c.			$ c.
Acton R.P.D.	5 years	280.20	London R.P.D.	10 years	45,532.01
Ailsa Craig R.P.D.	3 “	92.72	Lucan R.P.D.	7 “	2,713.54
Alvinston R.P.D.	4 “	139.27	Lynden R.P.D.	11 “	7,162.84
Amherstburg R.P.D.	9 “	22,078.67	Markham R.P.D.	10 “	11,560.13
Aylmer R.P.D.	11 “	10,525.32	Merlin R.P.D.	4 “	4,470.64
Ayr R.P.D.	7 “	1,216.20	Milton R.P.D.	8 “	4,134.77
Baden R.P.D.	11 “	9,957.94	Milverton R.P.D.	6 “	1,830.96
Beamsville R.P.D.	10 “	31,037.44	Mitchell R.P.D.	7 “	5,826.71
Belle River R.P.D.	10 “	10,605.30	Newmarket R.P.D.	9 “	7,440.46
Blenheim R.P.D.	9 “	5,140.80	Niagara R.P.D.	11 “	16,973.36
Bond Lake R.P.D.	9 “	22,645.89	Norwich R.P.D.	8 “	14,410.58
Bothwell R.P.D.	9 “	4,744.96	Oil Springs R.P.D.	7 “	2,068.17
Brampton R.P.D.	9 “	3,763.13	Palmerston R.P.D.	6 “	929.00
Brant R.P.D.	11 “	13,180.46	Petrolia R.P.D.	10 “	1,030.55
Brigden R.P.D.	6 “	2,148.61	Preston R.P.D.	11 “	27,925.17
Burford R.P.D.	6 “	3,679.43	Ridgetown R.P.D.	11 “	13,726.33
Caledonia R.P.D.	8 “	7,305.11	St. Jacobs R.P.D.	10 “	8,752.07
Chatham R.P.D.	11 “	15,592.13	St. Marys R.P.D.	5 “	6,576.47
Chippawa R.P.D.	11 “	5,490.47	St. Thomas R.P.D.	10 “	19,243.26
Clinton R.P.D.	5 “	3,760.67	Saltfleet R.P.D.	11 “	33,162.83
Delaware R.P.D.	10 “	12,088.62	Sandwich R.P.D.	11 “	39,633.76
Dorchester R.P.D.	11 “	17,252.09	Sarnia R.P.D.	10 “	19,118.36
Dresden R.P.D.	5 “	770.69	Scarboro R.P.D.	9 “	7,953.21
Drumbo R.P.D.	11 “	4,974.45	Seaforth R.P.D.	5 “	1,465.96
Dundas R.P.D.	11 “	16,343.73	Simcoe R.P.D.	10 “	5,606.21
Dunnville R.P.D.	5 “	542.81	Stamford R.P.D.	11 “	5,128.02
Dutton R.P.D.	7 “	2,841.74	Stratford R.P.D.	9 “	7,380.20
Elmira R.P.D.	7 “	1,327.82	Strathroy R.P.D.	6 “	2,596.27
Elora R.P.D.	7 “	4,015.70	Streetsville R.P.D.	10 “	10,739.23
Essex R.P.D.	8 “	8,295.56	Tavistock R.P.D.	10 “	5,831.50
Exeter R.P.D.	10 “	10,461.99	Thamesville R.P.D.	5 “	3,090.37
Forest R.P.D.	6 “	1,109.92	Tilbury R.P.D.	9 “	3,895.08
Galt R.P.D.	11 “	4,954.61	Tillsonburg R.P.D.	9 “	17,069.65
Georgetown R.P.D.	8 “	3,704.89	Wallaceburg R.P.D.	10 “	10,090.06
Goderich R.P.D.	8 “	2,856.98	Walsingham R.P.D.	6 “	4,358.11
Grantham R.P.D.	8 “	17,590.37	Walton R.P.D.	8 “	3,288.80
Guelph R.P.D.	8 “	7,620.88	Waterdown R.P.D.	10 “	14,254.75
Haldimand R.P.D.	8 “	4,149.53	Waterford R.P.D.	9 “	4,557.53
Harriston R.P.D.	3 “	444.43	Watford R.P.D.	3 “	497.25
Harrow R.P.D.	9 “	9,706.77	Welland R.P.D.	11 “	44,801.45
Ingersoll R.P.D.	11 “	10,423.09	Woodbridge R.P.D.	10 “	23,541.42
Jordan R.P.D.	11 “	6,544.19	Woodstock R.P.D.	11 “	20,737.88
Keswick R.P.D.	9 “	11,444.82	Total		$21,808,954.04
Kingsville R.P.D.	9 “	28,079.12			
Listowel R.P.D.	6 “	3,621.37			

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

NIAGARA SYSTEM

Reserve for Sinking Fund—October 31, 1932

Total provision for sinking fund to October 31, 1931		$19,068,293.89
Provided in the year ending October 31, 1932, in respect of:		
Advances by the Province for construction of transmission lines and stations	$586,315.51	
Advances by the Province for construction of rural power districts	63,315.62	
Advances by the Province for construction of pipe line to Ontario Power generating station	36,923.85	
Advances by the Province for construction of Queenston-Chippawa development	809,645.73	
Bonds issued and assumed by the Commission in connection with the purchase of the properties of the Ontario Power Company, Toronto Power Company, Essex system and Thorold system	481,727.68	
Interest at 4% per annum on amounts standing at the credit of the reserve accounts	762,731.76	
		2,740,660.15
Total		$21,808,954.04

NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective rural lines, for the year ending October 31, 1932

Operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Milton	15,909.84	789.13	286.38	318.20	159.10	1,552.81
Welland	19,617.60	823.94	353.12	392.35	196.18	1,765.59
Totals	35,527.44	1,613.07	639.50	710.55	355.28	3,318.40

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of each line together with interest allowed thereon to October 31, 1932

Lines operated by	Period of years ending October 31, 1932	Amount
		$ c.
Milton	19 years	3,025.23
Welland	20 "	9,865.75
Total	....	12,890.98

NIAGARA SYSTEM—RURAL LINES

Reserve for Sinking Fund—October 31, 1932

Total provision for Sinking Fund to October 31, 1931	$11,780.27
Provided in the year ending October 31, 1932	639.50
Interest at 4% per annum on the amount standing at the credit of the account	471.21
Total	$12,890.98

GEORGIAN BAY

Operating Account for Year

Costs of operation as provided for under the terms of the Power Commission Act

Power purchased		$18,810.77
Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of the system:		
Generation and transmission equipment	$433,227.76	
Rural power districts	49,909.36	
		483,137.12
Interest (including exchange) on capital investment in:		
Generation and transmission equipment	$377,725.15	
Rural power districts	34,832.21	
		412,557.36
Provision for renewal of:		
Generation and transmission equipment	$98,591.83	
Rural power districts	26,145.83	
		124,737.66
Provision for obsolescence and contingencies in respect of:		
Generation and transmission equipment	$28,083.38	
Rural power districts	26,145.83	
		54,229.21
Provision for sinking fund:		
By charges included in the cost of power delivered to municipalities and rural power districts	$72,462.99	
By charges against contracts with private companies which purchase power	6,997.53	
By charges included in the cost of distribution of power within rural power districts	7,237.63	
		86,698.15
		$1,180,170.27

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Alliston	60.00	60.00	93,402.39	221.2	156.99	5,169.38	4,668.86
Arthur	75.00	75.00	68,037.34	119.3	84.67	4,915.51	3,386.81
Barrie	32.00	36.00	594,521.13	2,346.8	1,665.57	33,086.74	29,699.40
Beaverton	37.00	43.00	61,438.70	212.7	150.96	3,914.23	3,038.85
Beeton	75.00	75.00	63,314.31	118.6	84.17	3,671.99	3,172.55
Bradford	65.00	70.00	62,075.58	129.8	92.12	3,877.38	3,090.52
Brechin	55.00	58.00	18,870.22	50.4	35.77	1,132.17	927.79
Cannington	40.00	45.00	46,609.23	157.8	112.00	3,121.12	2,306.89
Chatsworth	45.00	45.00	14,971.18	47.9	34.00	1,027.40	745.12
Chesley	43.00	40.00	135,131.13	479.6	340.37	7,389.23	6,728.77
Coldwater	36.00	39.00	65,511.77	240.2	170.47	3,499.55	3,275.03
Collingwood	40.00	40.00	403,989.45	1,409.2	1,000.14	23,190.44	19,978.65
Cookstown	60.00	60.00	20,238.23	52.2	37.05	1,243.35	1,010.11
Creemore	55.00	55.00	44,697.20	114.6	81.33	2,502.56	2,232.36
Dundalk	37.00	42.00	43,903.30	157.8	112.00	3,014.22	2,172.58

SYSTEM
Ending October 31, 1932

Revenue for period

Collected from municipalities	$866,152.47	
Power sold to private companies	79,960.71	
Collected from customers in rural power districts	215,718.07	
		$1,161,831.25
Add:		
Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year	$15,057.46	
Amounts due by municipalities comprising certain rural power districts, being the difference between the revenue collected from customers therein and the cost of power supplied to them in the year	31,902.47	
		46,959.93
		$1,208,791.18
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	$25,603.65	
Amounts collected from customers in certain rural power districts in excess of the cost of power delivered thereto	3,017.26	
		28,620.91
Revenue		$1,180,170.27
		$1,180,170.27

SYSTEM *G.B.—COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1932

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,402.31	310.09	981.89	125.07	12,814.59	14,130.23	1,315.64	....
1,109.55	219.52	715.55	67.45	10,499.06	8,948.09	....	1,550.97
6,957.05	2,236.01	6,247.10	1,326.83	81,218.70	82,733.03	1,514.33	....
780.97	228.31	645.40	120.26	8,878.98	9,486.86	607.88	....
1,021.93	203.76	668.64	67.05	8,890.09	9,456.88	566.79	....
968.20	206.98	652.69	73.39	8,961.28	9,558.63	597.35	....
271.29	68.93	198.33	28.50	2,662.78	2,904.85	242.07	....
599.96	171.78	489.64	89.22	6,890.61	7,391.24	500.63	....
198.54	59.96	157.28	27.08	2,249.38	2,156.96	....	92.42
1,690.62	520.24	1,418.23	271.15	18,358.61	20,606.93	2,248.32	....
804.48	253.57	688.05	135.80	8,826.95	9,373.88	546.93	....
5,112.66	1,489.04	4,243.57	796.71	55,811.21	56,666.96	855.75	....
294.86	74.76	212.72	29.52	2,902.37	3,158.76	256.39	....
655.21	159.15	471.17	64.79	6,166.57	6,695.87	529.30	....
540.43	165.36	458.30	89.22	6,552.11	6,470.34	....	81.77

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Durham	33.00	42.00	89,094.94	295.8	209.94	6,378.77	4,401.34
Elmvale	38.00	43.00	41,907.65	148.8	105.61	2,810.96	2,069.25
Elmwood	48.00	53.00	18,433.16	61.6	43.72	1,222.25	923.46
Flesherton	43.00	45.00	25,589.31	80.4	57.06	1,981.00	1,275.13
Grand Valley	58.00	58.00	46,789.45	107.6	76.37	3,149.57	2,332.99
Gravenhurst	24.00	24.00	116,960.73	578.8	410.79	6,794.58	5,861.23
Hanover	35.00	35.00	252,025.81	980.8	696.09	14,249.88	12,794.14
Holstein	90.00	90.00	14,772.62	18.2	12.92	1,152.76	736.47
Huntsville	26.00	26.00	175,266.16	1,053.8	156.49	13,178.67	8,713.65
Kincardine	60.00	58.00	173,437.88	399.6	283.60	8,382.00	8,680.64
Kirkfield	60.00	60.00	14,029.33	28.1	19.94	746.07	700.39
Lucknow	65.00	63.00	86,688.18	184.5	130.94	4,635.57	4,339.74
Markdale	36.00	40.00	40,527.99	148.5	105.39	2,639.41	2,023.46
Meaford	40.00	46.00	136,632.82	401.4	284.88	7,040.94	6,850.74
Midland	30.00	35.00	729,376.54	2,937.9	2,085.08	39,029.70	36,186.23
Mount Forest	40.00	48.00	110,636.02	321.3	228.03	8,544.19	5,513.58
Neustadt	70.00	70.00	30,878.17	33.1	23.49	1,119.52	1,544.04
Orangeville	45.00	45.00	186,487.08	543.0	385.38	10,835.63	9,326.66
Owen Sound	30.00	36.00	843,588.84	3,337.5	2,368.68	47,712.19	42,122.72
Paisley	58.00	55.00	52,318.13	108.5	77.00	2,886.88	2,621.01
Penetanguishene	35.00	40.00	166,491.92	568.4	403.40	8,378.69	8,218.27
Port Elgin	40.00	40.00	62,763.25	211.9	150.39	3,600.27	3,170.33
Port McNicoll	33.00	38.00	26,250.01	95.9	68.06	1,960.54	1,293.79
Port Perry	50.00	50.00	74,937.32	196.7	139.60	4,119.75	3,753.19
Priceville	85.00	85.00	8,004.72	15.1	10.72	637.02	401.09
Ripley	80.00	80.00	32,785.30	54.7	38.82	1,832.31	1,628.48
Rosseau	127.00	127.00	29,171.13	29.7	21.07	1,102.61	1,474.30
Shelburne	41.00	46.00	63,222.28	202.4	143.65	4,014.84	3,143.87
Southampton	40.00	40.00	59,097.75	217.2	154.15	3,907.73	2,983.51
Stayner	44.00	44.00	61,075.66	207.8	147.48	3,688.82	3,055.86
Sunderland	55.00	60.00	25,676.91	60.0	42.58	1,693.10	1,264.51
Tara	55.00	53.00	26,632.32	76.7	54.44	1,609.62	1,321.75
Teeswater	58.00	58.00	45,699.93	103.0	73.10	2,522.33	2,279.78
Thornton	85.00	85.00	10,572.28	20.0	14.19	575.52	525.55
Tottenham	96.00	92.00	41,905.81	61.0	43.29	2,486.50	2,092.75
Uxbridge	55.00	55.00	83,151.15	207.3	147.12	4,441.39	4,167.15
Victoria Harbour	40.00	46.00	21,673.06	68.3	48.47	1,419.92	1,076.58
Walkerton	35.00	38.00	116,965.86	437.4	310.42	6,614.89	5,899.50
Waubaushene	43.00	44.00	12,198.46	44.5	31.58	861.92	605.69
Wiarton	75.00	65.00	113,089.99	221.8	157.42	5,896.60	5,719.78
Windermere	100.00	100.00	15,755.37	28.9	20.51	898.48	794.74
Wingham	60.00	60.00	125,019.41	251.6	178.57	5,738.33	6,233.37
Woodville	53.00	56.00	23,247.12	56.7	40.24	1,426.94	1,141.02

SYSTEM *G.B.—COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1932

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,156.24	338.41	934.49	167.23	13,586.42	11,948.18	....	1,638.24
524.85	161.86	440.18	84.13	6,196.84	6,650.12	453.28	....
239.56	74.68	193.97	34.83	2,732.47	3,383.09	650.62	....
309.75	92.95	268.86	45.46	4,030.21	3,821.16	....	209.05
709.22	159.96	491.89	60.84	6,980.84	6,239.81	....	741.03
1,124.57	463.62	1,229.44	327.24	16,211.47	13,891.64	....	2,319.83
3,095.22	1,024.71	2,709.66	554.52	35,124.22	34,357.42	....	766.80
256.90	43.26	155.30	10.29	2,367.90	1,645.22	....	722.68
1,979.45	670.36	1,843.72	595.79	27,138.13	29,054.42	1,916.29	....
2,624.97	580.43	1,822.07	225.92	22,599.63	24,812.75	2,213.12	....
221.20	46.77	147.41	15.89	1,897.67	1,686.50	....	211.17
1,344.45	291.76	911.01	104.31	11,757.78	12,425.26	667.48	....
462.75	149.76	425.66	83.96	5,890.39	5,830.89	....	59.50
1,887.49	482.70	1,435.77	226.94	18,209.46	19,270.66	1,061.20	....
8,401.62	2,660.63	7,658.55	1,663.02	97,684.83	100,416.25	2,731.42	....
1,537.72	385.53	1,163.41	181.66	17,554.12	14,912.99	....	2,641.13
551.90	90.51	327.03	18.71	3,675.20	2,260.97	....	1,414.23
2,586.42	658.36	1,959.68	307.00	26,059.13	26,129.04	69.91	....
9,842.87	3,119.72	8,857.40	1,887.94	115,911.52	116,563.81	652.29	....
817.42	177.66	549.85	61.34	7,191.16	6,065.25	....	1,125.91
2,133.04	606.31	1,748.95	321.36	21,810.02	22,264.27	454.25	....
809.09	234.79	659.32	119.80	8,743.99	9,059.19	315.20	....
316.70	100.37	272.34	54.22	4,066.02	3,560.75	....	505.27
1,084.63	250.92	787.65	111.21	10,246.95	10,008.47	....	238.48
128.30	35.44	84.18	8.54	1,305.29	1,284.16	....	21.13
535.96	103.67	342.41	30.93	4,512.58	4,656.82	144.24	....
520.06	88.30	306.52	16.80	3,529.66	3,813.30	283.64	....
838.29	237.45	664.23	114.43	9,156.76	9,258.14	101.38	....
724.62	228.46	620.69	122.80	8,741.96	9,224.68	482.72	....
789.18	233.50	644.32	117.48	8,676.64	9,142.33	465.69	....
387.22	86.61	269.94	33.92	3,777.88	3,550.16	....	227.72
371.10	101.05	279.84	43.37	3,781.17	4,157.43	376.26	....
697.45	174.71	480.63	58.24	6,286.24	6,078.59	....	207.65
169.34	38.25	111.18	11.31	1,445.34	1,716.04	270.70	....
709.68	130.31	440.82	34.49	5,937.84	5,655.36	....	282.48
1,226.59	280.07	874.07	117.20	11,253.59	11,591.89	338.30	....
289.64	81.71	227.71	38.61	3,182.64	3,265.56	82.92	....
1,300.80	445.33	1,227.24	247.30	16,045.48	16,424.70	379.22	....
150.27	49.20	128.12	25.16	1,851.94	2,066.30	214.36	....
1,794.69	369.01	1,189.14	125.40	15,252.04	15,839.17	587.13	....
254.08	54.87	165.60	17.71	2,205.99	2,968.14	762.15	....
1,971.41	426.31	1,315.00	142.37	16,005.36	16,114.42	109.06	....
345.59	77.98	244.39	32.06	3,308.22	3,347.66	39.44	....

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost of

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Alliston R.P.D.—Essa, Tecumseth and Tossorontio twps.	30,760.78	84.4	59.90	1,830.64	1,550.47
Arthur R.P.D.—Luther E. and Luther W. twps.	1,391.50	3.2	2.28	83.89	70.09
Bala R.P.D.—Wood and Medora twp.	21,919.48	86.2	61.18	1,192.12	1,102.78
Barrie R. P. D.—Innisfil, Oro and Vespra twps.	68,822.43	207.8	147.47	3,517.08	3.440.81
Baysville R.P.D.—Franklin, Macaulay, McLean, Ridout and Sherbourne twps.	11,192.07	14.9	10.57	682.07	279.28
Beaumaris R.P.D.—Macaulay, Monck, and Wood and Medora twps.	32,204.22	129.3	91.77	1,647.48	1.616.51
Beaverton R.P.D.—Mara and Thorah twps.	22,765.56	72.0	51.10	1,436.60	1,125.70
Beeton R.P.D.—Tecumseth twp.	854.16	1.6	1.14	48.00	43.31
Bradford R.P.D.—Gwillimbury W., King and Tecumseth twps.	19,907.10	40.0	28.39	1,095.99	1,003.51
Bruce R.P.D.—Brant, Carrick, Culross, Greenock and Saugeen twps.	24,135.23	57.3	40.67	1,248.65	1,199.81
Buckskin R.P.D.—Matchedash and Wood and Medora twps.	5,171.92	12.3	8.73	294.94	259.54
Cannington No. 1 R.P.D.—Brock, Eldon and Mariposa twps.	5,852.16	18.1	12.85	338.63	290.04
Cannington No. 2 R.P.D.—Brock twp.	6,182.65	20.3	14.41	365.77	304.74
Chatsworth R.P.D.—Holland twp.	4,182.23	10.2	7.24	357.54	210.63
Cookstown R.P.D.—Essa and Innisfil twps.	310.16	0.8	0.57	16.25	15.66
Creemore R.P.D.—Nottawasaga, Osprey and Tossorontio twps.	14,476.70	45.3	32.15	762.51	733.55
Elmvale R.P.D.—Flos, Medonte, Oro and Vespra twps.	20,625.15	62.2	44.15	1,051.79	1,037.10
Flesherton R.P.D.—Artemesia twps.	2,128.22	7.0	4.97	117.46	105.32
Georgina R.P.D.—Brock and Georgina twps.	12,612.61	42.5	30.16	887.57	630.76
Gravenhurst R.P.D.—Muskoka twp.	5,361.63	24.3	17.25	417.16	268.70
Hawkestone R.P.D.—Orillia and Oro twps.	613.46	68.1	1,498.37	52.92	29.15
Holstein R.P.D.—Bentinck, Egremont and Normanby twps.	....	....	....	....	....
Huntsville R.P.D.—Brunel, Chaffey and Franklin twps.	9,389.85	31.8	22.57	563.23	474 57
Innisfil R.P.D.—Gwillimbury W. and Innisfil twps.	62,559.02	161.1	114.34	3,172.18	3.152.83
Lucknow R.P.D.—Kinloss twp.	....	....	....	....	....

SYSTEM *G.B.—COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1932

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
437.49	106.85	323.28	47.72	4,356.35	4,356.35	see page	205
21.10	4.76	14.63	1.80	198.55	198.55	"	"
250.30	82.53	230.14	48.73	2,967.78	2,967.78	"	"
931.92	274.60	719.48	117.48	9,148.84	9,148.84	"	"
79.05	24.51	58.03	8.43	1,141.94	1,141.94	"	"
372.52	135.17	338.51	73.11	4,275.07	4,275.07	"	"
293.91	81.95	234.02	40.71	3,263.99	3,263.99	"	"
13.79	2.75	9.02	0.91	118.92	118.92	"	"
312.63	67.35	208.65	22.61	2,739.13	2,739.13	"	"
353.71	84.02	249.64	32.41	3,208.91	3,208.91	"	"
77.54	22.60	54.37	6.96	724.68	724.68	"	"
78.93	20.97	61.49	10.23	813.14	813.14	"	"
80.91	22.67	64.95	11.47	864.92	864.92	"	"
62.16	17.88	43.96	5.77	705.18	705.18	"	"
4.53	1.15	3.26	0.45	41.87	41.87	"	"
195.25	53.80	152.68	25.62	1,955.56	1,955.56	"	"
281.54	82.56	216.72	35.16	2,749.02	2,749.02	"	"
24.97	8.61	22.36	3.96	287.65	287.65	"	"
162.76	47.31	132.50	24.04	1,915.10	1,915.10	"	"
56.09	21.72	56.29	13.74	850.95	850.95	"	"
12.27	3.07	6.46	38.46	1,640.70	1,640.70	"	"
....	....	....	....	....	....	"	"
121.01	37.43	98.73	17.97	1,335.51	1,335.51	"	"
913.47	225.48	658.34	91.08	8,327.72	8,327.72	"	"
....	....	....	....	....	....	"	"

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual cost

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Mariposa R.P.D.—Brock, Mariposa and Reach twps.	45,221.89	141.1	100.14	2,333.13	2,256.40
Markdale R. P. D.—Artemesia, Euphrasia, Glenelg and Holland twps.	7,624.47	17.4	12.35	464.94	368.65
Meaford R.P.D.—St. Vincent twp.					
Medonte R.P.D.—Baxter and Tay twps.	5,153.51	18.8	13.34	307.28	259.95
Midland R.P.D.—Tay and Tiny twps.	4,780.12	19.5	13.84	310.22	240.55
Neustadt R.P.D.—Bentinck twp.					
Nottawasaga R.P.D.—Nottawasaga twp.	8,792.93	29.0	20.58	478.86	432.21
Orangeville R.P.D.—Amaranth, Caledon, Erin and Garafraxa E. twps.	11,671.98	31.8	22.57	647.51	584.99
Owen Sound R.P.D.—Derby and Sydenham twps.	2,527.61	10.0	7.10	140.90	127.61
Port Perry R.P.D.—Cartwright, Manvers, Reach and Scugog twps.	40,684.17	104.7	74.31	2,365.34	2,046.55
Ripley R.P.D.—Huron and Kinloss twps.	4,546.66	10.0	7.10	239.84	228.73
Sauble R.P.D.—Amabel and Keppel twps.	6,202.46	11.8	8.38	340.84	314.76
Shelburne R.P.D.—Amaranth, Melancthon and Mulmur twps.	7,503.19	18.8	13.34	411.83	377.17
Sparrow Lake R.P.D.—Matchedash, Morrison, Orillia N. and Rama twps.	28,247.75	109.1	77.43	1,382.09	1,364.12
Tara R.P.D.—Amabel, Arran, Derby and Keppel twps.	17,489.25	49.9	35.42	1,043.03	876.87
Thornton R.P.D.—Essa twp.	6,793.68	12.1	8.59	339.13	342.91
Utterson R. P. D.—Cardwell, Humphrey, Stephenson, Watt and Wood and Medora twps.	17,062.34	43.9	31.16	744.88	860.18
Uxbridge R.P.D.—Brock, Georgina, Reach, Scott and Uxbridge twps.	38,005.76	93.6	66.43	2,026.86	1,910.79
Wasaga Beach R.P.D.—Flos, Nottawasaga and Sunnidale twps.	45,027.88	153.2	108.73	2,395.41	2,255.12
Wroxeter R.P.D.—Howick, Morris and Turnberry twps.	50,761.82	96.4	68.42	2,275.24	2,559.52
Totals—Municipalities	6,167,538.98	21,064.3	14,358.28	354,673.93	307,696.02
Totals—Rural power districts	731,515.76	2,171.8	2,991.46	39,427.80	36,351.94
Totals—Companies and distributing systems	682,223.31	2,058.6	1,461.03	39,126.03	33,677.19
	7,581,278.05				
Non-operating capital	4,521.05				
Grand totals	7,585,799.10	25,294.7	18,810.77	433,227.76	377,725.15

SYSTEM *G.B.—COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1932

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
607.36	162.93	475.15	79.77	6,014.88	6,014.88	see page	205
109.30	31.61	76.96	9.84	1,073.65	1,073.65	"	"
....	....	....	....	....	....	"	"
63.49	20.79	54.13	10.63	729.61	729.61	"	"
54.54	17.44	50.19	11.03	697.81	697.81	"	"
....	....	....	....	....	....	see page	207
114.80	33.04	92.38	16.39	1,188.26	1,188.26	"	"
166.49	42.31	122.67	17.97	1,604.51	1,604.51	"	"
29.50	9.35	26.54	5.66	346.66	346.66	"	"
593.24	137.55	427.64	59.20	5,703.83	5,703.83	"	"
69.62	15.41	47.67	5.66	614.03	614.03	"	"
99.55	22.62	65.41	6.67	858.23	858.23	"	"
110.41	28.19	78.83	10.63	1,030.40	1,030.40	"	"
316.23	107.58	286.63	61.69	3,595.77	3,595.77	"	"
244.70	70.26	183.78	28.20	2,482.26	2,482.26	"	"
110.41	25.12	71.45	6.85	904.46	904.46	"	"
248.81	62.34	179.34	24.82	2,151.53	2,151.53	"	"
563.05	128.76	399.51	52.92	5,148.32	5,148.32	"	"
581.83	172.14	475.03	86.62	6,074.88	6,074.88	"	"
						"	"
812.56	177.64	533.97	54.50	6,481.85	6,481.85	"	"
79,630.36	22,475.72	64,858.20	11,913.77	855,606.28	866,152.47	25,603.65	15,057.46
10,033.74	2,694.82	7,604.79	1,227.87	100,332.42	100,332.42	....	....
8,927.73	2,912.84	6,997.53	(13,141.64)	79,960.71	79,960.71	....	....
98,591.83	28,083.38	79,460.52	....	1,035,899.41	1,046,445.60	....	....

GEORGIAN BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Alliston R.P.D.—Essa, Tecumseth and Tossorontio twps	37,937.21	18,717.32	19,219.89	4,356.35
Arthur R.P.D.—Luther E. and Luther W. twps	*4,283.33	2,094.97	2,188.36	198.55
Bala R.P.D.—Wood and Medora twp	*58,618.74	28,313.31	30,305.43	2,967.78
Barrie R.P.D.—Innisfil, Oro and Vespra twps.	120,642.23	60,321.12	60,321.11	9,148.84
Baysville R. P. D.—Franklin, Macaulay, McLean, Ridout and Sherbourne twps	66,247.63	33,123.81	33,123.82	1,141.94
Beaumaris R.P.D.—Macaulay, Monck and Wood and Medora twps	59,560.79	29,780.39	29,780.40	4,275.07
Beaverton R.P.D.—Mara and Thorah twps	*31,174.42	15,362.32	15,812.10	3,263.99
Beeton R.P.D.—Tecumseth twp	3,003.41	1,501.70	1,501.71	118.92
Bradford R.P.D.—Gwillimbury W., King and Tecumseth twps	37,140.15	18,409.53	18,730.62	2,739.13
Bruce R.P.D.—Brant, Carrick, Culross, Greenock and Saugeen twps	*42,270.84	20,067.57	22,203.27	3,208.91
Buckskin R.P.D.—Matchedash and Wood and Medora twps	3,542.03	1,771.01	1,771.02	724.68
Cannington No. 1 R.P.D.—Brock, Eldon and Mariposa twps	*7,453.36	3,106.29	4,347.07	813.14
Cannington No. 2 R.P.D.—Brock twp	*11,832.14	4,919.99	6,912.15	864.92
Chatsworth R.P.D.—Holland twp	1,426.70	713.35	713.35	705.18
Cookstown R.P.D.—Essa and Innisfil twps	699.63	349.82	349.81	41.87
Creemore R.P.D.—Nottawasaga, Osprey and Tossorontio twps	*45,268.22	21,971.02	23,297.20	1,955.56
Elmvale R.P.D.—Flos, Medonte, Oro and Vespra twps	39,661.50	19,697.58	19,963.92	2,749.02
Flesherton R.P.D.—Artemesia twp	*5,286.84	2,456.65	2,830.19	287.65
Georgina R.P.D.—Brock and Georgina twps	22,125.49	11,062.75	11,062.74	1,915.10
Gravenhurst R.P.D.—Muskoka twp	4,599.81	2,299.91	2,299.90	850.95
Hawkestone R.P.D.—Orillia and Oro twps	44,199.81	22,099.90	22,099.91	1,640.70
Holstein R.P.D.—Bentinck, Egremont and Normandy twps	1,733.23	866.62	866.61	....
Huntsville R.P.D.—Brunel, Chaffey and Franklin twps	36,380.03	18,190.01	18,190.02	1,335.51
Innisfil R.P.D.—Gwillimbury W. and Innisfil twps	72,510.43	36,255.22	36,255.21	8,327.72
Lucknow R.P.D.—Kinloss twp	632.24	316.12	316.12	....
Mariposa R.P.D.—Brock, Mariposa and Reach twps	74,976.42	37,488.21	37,488.21	6,014.88
Markdale R.P.D.—Artemesia, Euphrasia, Glenelg and Holland twps	*18,116.17	8,932.01	9,184.16	1,073.65
Meaford R.P.D.—St. Vincent twp	1,936.27	968.14	968.13	....
Medonte R.P.D.—Baxter and Tay twps	17,024.77	8,512.39	8,512.38	729.61
Midland R.P.D.—Tay and Tiny twps	17,065.20	8,532.60	8,532.60	697.81

NOTE.—Items marked * include portions of Transmission Lines aggregating $9,267.73 used for purposes of rural power districts.

RURAL POWER DISTRICTS *G.B.—RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment (by in the year ending October 31, 1932.

Distribution cost and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,268.87	962.29	749.48	749.48	199.95	8,286.42	8,663.53	377.11	....
190.55	110.85	85.63	85.63	23.03	694.24	612.42	....	81.82
3,880.93	1,467.90	1,118.84	1,118.84	305.00	10,859.29	9,275.53	....	1,583.76
5,393.91	2,860.30	2,257.63	2,257.63	594.32	22,512.63	19,513.25	....	2,999.38
536.27	555.53	438.48	438.48	115.43	3,226.13	1,586.15	....	1,639.98
2,954.01	1,451.41	1,145.60	1,145.60	301.58	11,273.27	11,532.16	258.89	....
1,104.06	499.96	388.26	388.26	103.88	5,748.41	3,777.57	....	1,970.84
84.88	60.64	47.86	47.86	12.60	372.76	230.94	....	141.82
745.90	903.24	710.79	710.79	187.68	5,997.53	4,328.47	....	1,669.06
1,831.39	1,050.69	754.31	754.31	218.31	7,817.92	6,581.66	....	1,236.26
121.09	88.53	69.88	69.88	18.40	1,092.46	917.22	....	175.24
431.21	219.01	148.05	148.05	45.51	1,804.97	1,625.28	....	179.69
749.34	345.15	232.59	232.59	71.72	2,496.31	2,353.10	....	143.21
90.83	36.15	28.53	28.53	7.51	896.73	866.06	....	30.67
7.16	17.73	13.99	13.99	3.68	98.42	130.71	32.29	....
1,168.71	918.54	705.11	705.11	190.85	5,643.88	3,937.55	....	1,706.33
1,337.83	995.90	780.74	780.74	206.94	6,851.17	6,672.20	....	178.97
343.23	134.07	98.35	98.35	27.85	989.50	763.35	....	226.15
946.90	545.12	430.26	430.26	113.27	4,380.91	4,359.11	....	21.80
100.42	107.05	84.49	84.49	22.24	1,249.64	1,191.56	....	58.08
1,145.19	1,094.64	864.00	864.00	227.45	5,835.98	4,985.76	....	850.22
7.55	39.56	31.25	31.25	8.23	117.84	73.78	....	44.06
1,000.96	873.54	689.48	689.48	181.51	4,770.48	3,060.29	....	1,710.19
2,687.08	1,695.66	1,338.38	1,338.38	352.33	15,739.55	14,742.18	....	997.37
2.18	15.70	12.50	12.50	3.29	46.17	20.79	....	25.38
2,552.77	1,885.78	1,488.45	1,488.45	391.83	13,822.16	14,571.55	749.39	....
789.96	422.75	328.63	328.63	87.84	3,031.46	2,159.73	....	871.73
12.96	43.25	34.25	34.25	9.02	133.73	74.90	....	58.83
562.40	423.74	334.46	334.46	88.05	2,472.72	1,606.14	....	866.58
426.59	423.07	333.93	333.93	87.91	2,303.24	2,050.05	....	253.19

GEORGIAN BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Neustadt R.P.D.—Bentinck twp.	1,028.18	514.09	514.09	....
Nottawasaga R.P.D.—Nottawasaga twp.	16,703.56	8,351.78	8,351.78	1,188.26
Orangeville R.P.D.—Amaranth, Caledon, Erin and Garafraxa E. twps.	33,121.03	16,560.52	16,560.51	1,604.51
Owen Sound R.P.D.—Derby and Sydenham twps.	5,016.36	2,508.18	2,508.18	346.66
Port Perry R.P.D.—Cartwright, Manvers, Reach and Scugog twps.	71,395.52	35,697.76	35,697.76	5,703.83
Ripley R.P.D.—Huron and Kinloss twps.	*7,956.72	3,744.89	4,211.83	614.03
Sauble R.P.D.—Amabel and Keppel twps.	4,155.62	2,077.81	2,077.81	858.23
Shelburne R.P.D.—Amaranth, Melancthon and Mulmur twps.	21,520.65	10,760.32	10,760.33	1,030.40
Sparrow Lake R.P.D.—Matchedash, Morrison, Orillia N. and Rama twp.	73,118.17	36,559.09	36,559.08	3,595.77
Tara R.P.D.—Amabel, Arran, Derby and Keppel twps.	29,136.69	14,568.34	14,568.35	2,482.26
Thornton R.P.D.—Essa twp.	9,475.93	4,737.96	4,737.97	904.46
Utterson R. P. D.—Cardwell, Humphrey, Stephenson, Watt and Wood and Medora twps	*35,988.24	17,221.62	18,766.62	2,151.53
Uxbridge R.P.D.—Brock, Georgina, Reach, Scott and Uxbridge twps.	84,229.93	42,114.97	42,114.96	5,148.32
Wasaga Beach R.P.D.—Flos, Nottawasaga and Sunnidale twps.	53,587.40	....	53,587.40	6,074.88
Wroxeter R.P.D.—Howick, Morris and Turnberry twps.	74,275.26	35,757.21	38,518.05	6,481.85
	1,408,058.30	669,376.17	738,682.13	
Non-operating capital	3,474.23	1,737.11	1,737.12	
Totals	1,411,532.53	671,113.28	740,419.25	100,332.42

NOTE.—Items marked * include portions of Transmission Lines aggregating $9,267.73 used for purposes of rural power districts.

RURAL POWER DISTRICTS *G.B.—RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment (by in the year ending October 31, 1932.

Distribution cost and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3.12	25.55	20.25	20.25	5.33	74.50	29.06	....	45.44
803.31	420.30	331.74	331.74	87.33	3,162.68	3,071.56	....	91.12
542.84	781.36	616.73	616.73	162.35	4,324.52	3,357.91	....	966.61
190.85	127.01	100.25	100.25	26.39	891.41	812.38	....	79.03
2,277.85	1,782.22	1,406.71	1,406.71	370.32	12,947.64	11,549.70	....	1,397.94
159.56	207.59	154.70	154.70	43.14	1,333.72	728.76	....	604.96
484.51	103.86	81.98	81.98	21.58	1,632.14	1,271.24	....	360.90
615.68	529.97	418.31	418.31	110.12	3,122.79	1,792.57	....	1,330.22
2,116.65	1,724.91	1,361.47	1,361.47	358.41	10,518.68	9,181.29	....	1,337.39
1,666.73	737.94	582.46	582.46	153.33	6,205.18	5,593.77	....	611.41
174.64	239.82	189.29	189.29	49.83	1,747.33	1,380.95	....	366.38
1,795.85	896.16	676.51	676.51	186.21	6,382.77	5,852.10	....	530.67
1,435.50	2,124.97	1,677.24	1,677.24	441.53	12,504.80	10,245.63	....	2,259.17
2,423.88	2,571.33	1,014.76	1,014.76	534.27	13,633.88	15,233.46	1,599.58	....
2,743.26	2,311.47	1,769.23	1,769.23	480.28	15,555.32	13,354.70	....	2,200.62
49,909.36	34,832.21	26,145.83	26,145.83	7,237.63	244,603.28	215,718.07	3,017.26	31,902.47

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alliston	June, 1918	625.74			625.74
Arthur	Dec., 1916	15.03			15.03
Barrie	April, 1913		11,684.02		
Beaverton	Nov., 1914		1,310.19	1,310.19	
Beeton	Aug., 1918	852.13			852.13
Bradford	Oct., 1918		469.93	469.93	
Brechin	Jan., 1915		144.94	144.94	
Cannington	Nov., 1914		606.36	619.40	13.04
Chatsworth	Dec., 1915	7.71			7.71
Chesley	July, 1916	2,725.32			2,725.32
Coldwater	Mar., 1913		465.23	465.23	
Collingwood	Mar., 1913		385.18		
Cookstown	May, 1918	167.86			167.86
Creemore	Nov., 1914		42.02	42.02	
Dundalk	Dec., 1915		624.17	624.17	
Durham	Dec., 1915		3,516.30	3,516.30	
Elmvale	June, 1913		760.50	760.50	
Elmwood	April, 1918		227.49	227.49	
Flesherton	Dec., 1915		123.93	129.38	5.45
Grand Valley	Dec., 1916		37.64	37.64	
Gravenhurst	Nov., 1915	561.47			561.47
Hanover	Sept., 1916	886.86			886.86
Holstein	May, 1916		3,052.90	850.00	
Huntsville	Sept., 1916	96.28			96.28
Kincardine	Mar., 1921	2,031.62			2,031.62
Kirkfield	June, 1920	77.80			77.80
Lucknow	Jan., 1921	1,065.02			1,065.02
Markdale	Mar., 1916		410.71	413.22	2.51
Meaford	Jan., 1924		2,147.32	2,147.32	
Midland	July, 1911		15,237.91	7,420.50	
Mount Forest	Dec., 1915		2,541.58	2,987.09	445.51
Neustadt	Dec., 1918		3,012.87		
Orangeville	July, 1916		24.76	24.76	
Owen Sound	Dec., 1915		16,378.92	16,378.92	
Paisley	Sept., 1923	891.51			891.51
Penetanguishene	July, 1911		2,838.86	2,838.86	
Port Elgin	Mar., 1931		392.44	392.44	
Port McNicoll	Jan., 1915		472.55	472.55	
Port Perry	Sept., 1922		19.68	19.68	
Priceville	Mar., 1920	55.80			55.80
Ripley	Jan., 1921	147.61			147.61
Rosseau	July, 1931		268.53	268.53	
Shelburne	July, 1916		947.65	947.65	
Southampton	Feb., 1931	211.92			211.92
Stayner	Oct., 1913	453.25			453.25

SYSTEM *G.B.—CREDIT OR CHARGE*

supplied to it to October 31, 1931; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1932.

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
10.39		1,315.64		1,326.03	
0.33			1,550.97		1,550.64
	467.36	1,514.33			10,637.05
	37.52	607.88		570.36	
15.18		566.79		581.97	
	8.83	597.35		588.52	
	4.44	242.07		237.63	
	20.43	500.63		480.20	
0.15			92.42		92.27
57.03		2,248.32		2,305.35	
	8.69	546.93		538.24	
	15.41	855.75		455.16	
3.36		256.39		259.75	
	1.47	529.30		527.83	
	11.87		81.77		93.64
	120.56		1,638.24		1,758.80
	14.38	453.28		438.90	
	3.70	650.62		646.92	
0.03	2.06		209.05		211.08
	0.66		741.03		741.69
9.39			2,319.83		2,310.44
15.90			766.80		750.90
	109.85		722.68		3,035.43
2.01		1,916.29		1,918.30	
42.05		2,213.12		2,255.17	
1.56			211.17		209.61
21.30		667.48		688.78	
	7.09		59.50		66.59
	42.71	1,061.20		1,018.49	
	474.23	2,731.42			5,560.22
3.55	35.74		2,641.13		2,673.32
	120.51		1,414.23		4,547.61
	0.49	69.91		69.42	
	309.67	652.29		342.62	
15.66			1,125.91		1,110.25
	52.12	454.25		402.13	
	6.82	315.20		308.38	
	11.21		505.27		516.48
	0.32		238.48		238.80
0.93			21.13		20.20
2.63		144.24		146.87	
	8.13	283.64		275.51	
	19.16	101.38		82.22	
3.98		482.72		486.70	
7.93		465.69		473.62	

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Sunderland	Nov., 1914		316.12	316.12	
Tara	Feb., 1918	783.41			783.41
Teeswater	Dec., 1920		35.39	35.39	
Thornton	Nov., 1918	176.07			176.07
Tottenham	Oct., 1918	124.45			124.45
Uxbridge	Sept., 1922	617.07			617.07
Victoria Harbour	July, 1914		408.23	408.23	
Walkerton	Feb., 1931		911.48	911.48	
Waubaushene	Dec., 1914		70.90	70.90	
Wiarton	May, 1931	1,777.53			1,777.53
Windermere	June, 1930	93.61			93.61
Wingham	Dec., 1920	446.37			446.37
Woodville	Nov., 1914		147.90	147.90	
RURAL POWER DISTRICT*					
Alliston R.P.D.	Nov., 1929	1,142.51			
Arthur R.P.D.	Dec., 1929		41.20		
Bala R.P.D.	Jan., 1930		1,515.87		
Barrie R.P.D.	Aug., 1923		1,086.48		
Baysville R.P.D.	July, 1932				
Beaumaris R.P.D.	June, 1928		1,844.09		
Beaverton R.P.D.	Aug., 1930		570.88		
Beeton R.P.D.	Sept., 1926		35.69		
Bradford R.P.D.	Aug., 1929		242.47		
Bruce R.P.D.	Oct., 1931	280.91			
Buckskin R.P.D.	July, 1928		622.62		
Cannington No. 1 R.P.D.	May, 1924	885.88			
Cannington No. 2 R.P.D.	May, 1924	1,100.06			
Chatsworth R.P.D.	Dec., 1928	342.60			
Cookstown R.P.D.	Dec., 1930	9.41			
Creemore R.P.D.	Dec., 1930		771.72		
Elmvale R.P.D.	Jan., 1924		201.96		
Flesherton R.P.D.	Feb., 1922		588.24		
Georgina R.P.D.	Oct., 1926		1,071.95		
Gravenhurst R.P.D.	May, 1932	277.62			
Hawkestone R.P.D.	Aug., 1930		1,745.66		
Holstein R.P.D.	Mar., 1929		34.52		
Huntsville R.P.D.	Aug., 1931		737.57		
Innisfil R.P.D.	Feb. 1928		1,993.93		
Lucknow R.P.D.	Feb., 1924		47.38		
Mariposa R.P.D.	Sept., 1923	4,161.57			
Markdale R.P.D.	July, 1924		472.55		
Meaford R.P.D.	Oct., 1928		71.36		
Medonte R.P.D.	July, 1930		237.45		
Midland R.P.D.	Nov., 1930		614.51		
Neustadt R.P.D.	Nov., 1926		50.38		
Nottawasaga R.P.D.	Jan., 1922	1,088.53			
Orangeville R.P.D.	Aug., 1927		2,404.60		
Owen Sound R.P.D.	Mar., 1931		11.86		
Port Perry R.P.D.	Dec., 1922		2,160.22		

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM *G.B.—CREDIT OR CHARGE*

supplied to it to October 31, 1931; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	6.15		227.72		233.87
17.33		376.26		393.59	
	1.16		207.65		208.81
2.94		270.70		273.64	
2.34			282.48		280.14
11.06		338.30		349.36	
	8.34	82.92		74.58	
	18.03	379.22		361.19	
	1.22	214.36		213.14	
30.58		587.13		617.71	
1.98		762.15		764.13	
7.32		109.06		116.38	
	2.72	39.44		36.72	
45.70		377.11		1,565.32	
	1.65		81.82		124.67
	60.63		1,583.76		3,160.26
	43.46		2,999.38		4,129.32
			1,639.98		1,639.98
	73.76	258.89			1,658.96
	22.84		1,970.84		2,564.56
	1.43		141.82		178.94
	9.70		1,669.06		1,921.23
11.24			1,236.26		944.11
	24.90		175.24		822.76
35.44			179.69	741.63	
44.00			143.21	1,000.85	
13.70			30.67	325.63	
0.38		32.29		42.08	
	30.87		1,706.33		2,508.92
	8.08		178.97		389.01
	23.53		226.15		837.92
	42.88		21.80		1,136.63
11.10			58.08	230.64	
	69.83		850.22		2,665.71
	1.38		44.06		79.96
	29.50		1,710.19		2,477.26
	79.76		997.37		3,071.06
	1.90		25.38		74.66
166.46		749.39		5,077.42	
	18.90		871.73		1,363.18
	2.85		58.83		133.04
	9.50		866.58		1,113.53
	24.58		253.19		892.28
	2.02		45.44		97.84
43.54			91.12	1,040.95	
	96.18		966.61		3,467.39
	0.47		79.03		91.36
	86.41		1,397.94		3,644.57

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Ripley R.P.D.	Feb., 1922	....	472.17	....	22.00
Sauble R.P.D.	Oct., 1931	156.98	....	....	....
Shelburne R.P.D.	Feb., 1926	....	516.26	....	....
Sparrow Lake R.P.D.	Oct., 1925	2,245.05	....	....	....
Tara R.P.D.	Jan., 1925	445.85	....	....	....
Thornton R.P.D.	Aug., 1930	....	372.26	....	....
Utterson R.P.D.	June, 1930	....	689.84	....	....
Uxbridge R.P.D.	Sept., 1925	....	4,335.61	....	....
Wasaga Beach R.P.D.	July, 1923	8,696.06	....	....	....
Wroxeter R.P.D.	Feb., 1929	....	2,082.21	....	....
	....	35,724.47	97,678.11	45,398.73	15,379.95

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

GEORGIAN BAY SYSTEM

Reserve for Renewals—October 31, 1932

Total provision for renewals to October 31, 1931	$1,265,956.41	
Deduct:		
Expenditures to October 31, 1931	114,381.83	
Balance brought forward October 31, 1931		$1,151,574.58
Adjusting amount of renewals charged on cost of power in year ending October 31, 1931		5,267.40
		$1,146,307.18
Added during the year ending October 31, 1932:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$89,664.10	
Amount included in costs of distribution of power within rural power districts	26,145.83	
Provision against equipment employed in respect of contracts with private companies which purchased power, and against equipment in local distribution systems	8,927.73	
Provision for renewals on transmission lines purchased	212.21	
Interest at 4% per annum on monthly balances at the credit of the account	45,860.39	
		170,810.26
		$1,317,117.44
Deduct:		
Expenditures during the year ending October 31, 1932		19,058.96
Balance carried forward October 31, 1932		$1,298,058.48

supplied to it to October 31, 1931; the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1932.

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	19.77	....	604.96	....	1,118.90
6.28	....	....	360.90	....	197.64
....	20.65	....	1,330.22	....	1,867.13
89.80	....	....	1,337.39	997.46	....
17.83	....	....	611.41	....	147.73
....	14.89	....	366.38	....	753.53
....	27.59	....	530.67	....	1,248.10
....	173.42	....	2,259 17	....	6,768.20
347.84	....	1,599.58	....	10,643.48	....
....	83.29	....	2,200.62	....	4,366.12
1,120 22	3,059.67	28,620.91	46,959.93	42,290.97	94,504.30

GEORGIAN BAY SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1932

Balance brought forward October 31, 1931		$343,311.87
Added during the year ending October 31, 1932:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$25,170.54	
Amounts included in the costs of distribution of power within rural power districts	26,145.83	
Provision against equipment employed in respect of contracts with private companies which purchased power and against local distribution systems	2,912.84	
Interest at 4% per annum on monthly balances at the credit of the account	13,732.47	
		67,961.68
		$411,273.55
Deduct:		
Contingencies met with during the year ending October 31, 1932	$4,090.21	
Share of exchange paid to the Province of Ontario in respect of bonds retired in U.S.A. funds during the year	39,985.87	
		44,076.08
Balance carried forward October 31, 1932		$367,197.47

GEORGIAN BAY SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1932

Municipality	Period of years ending Oct. 31, 1932	Amount
		$ c.
Alliston	9 years	9,858.77
Arthur	11 "	9,596.06
Barrie	14 "	63,832.24
Beaverton	13 "	11,158.49
Beeton	9 "	7,764.36
Bradford	9 "	8,568.79
Brechin	13 "	4,365.24
Cannington	13 "	8,245.23
Chatsworth	12 "	2,008.79
Chesley	11 "	16,598.17
Coldwater	14 "	6,413.08
Collingwood	14 "	73,708.51
Cookstown	9 "	2,352.76
Creemore	13 "	5,979.53
Dundalk	12 "	5,643.69
Durham	12 "	15,948.30
Elmvale	14 "	8,130.66
Elmwood	9 "	1,772.52
Flesherton	12 "	3,215.25
Grand Valley	11 "	5,858.71
Gravenhurst	12 "	10,059.93
Hanover	11 "	41,326.56
Holstein	11 "	1,861.02
Huntsville	11 "	26,959.82
Kincardine	8 "	15,686.70
Kirkfield	8 "	1,559.23
Lucknow	8 "	7,910.85
Markdale	11 "	4,372.15
Meaford	8 "	10,755.29
Midland	14 "	112,966.08
Mount Forest	12 "	14,496.96
Neustadt	9 "	4,972.87
Orangeville	11 "	18,393.70
Owen Sound	12 "	88,384.18
Paisley	8 "	4,505.71
Penetanguishene	16 "	32,818.37
Port Elgin	2 "	1,160.41
Port McNicoll	13 "	2,929.42
Port Perry	8 "	6,682.44
Priceville	8 "	715.36
Ripley	8 "	3,380.80
Rosseau	2 "	453.18
Shelburne	11 "	8,941.63
Southampton	2 "	1,258.10
Stayner	14 "	7,710.78
Sunderland	13 "	5,670.65
Tara	9 "	4,195.42
Teeswater	8 "	5,690.59
Thornton	9 "	1,594.64
Tottenham	9 "	4,927.77
Uxbridge	8 "	7,070.45
Victoria Harbour	13 "	3,247.21
Walkerton	2 "	2,420.21
Waubaushene	13 years	1,837.30
Wiarton	2 "	1,754.92
Windermere	3 "	520.04
Wingham	8 "	16,204.62
Woodville	13 "	5,725.22
RURAL POWER DISTRICTS*		
Alliston R.P.D.	3 years	1,382.35
Arthur R.P.D.	3 "	89.43
Bala R.P.D.	3 "	1,313.35
Barrie R.P.D.	10 "	4,766.35
Baysville R.P.D.	1 "	177.95
Beaumaris R.P.D.	5 "	2,643.91
Beaverton R.P.D.	3 "	452.99
Beeton R.P.D.	7 "	39.60
Bradford R.P.D.	4 "	506.96
Bruce R.P.D.	2 "	736.77
Buckskin R.P.D.	5 "	406.17
Cannington No. 1, R.P.D.	9 "	1,028.01
Cannington No. 2, R.P.D.	9 "	1,362.37
Chatsworth R.P.D.	4 "	202.20
Cookstown R.P.D.	2 "	14.12
Creemore R.P.D.	2 "	551.66
Elmvale R.P.D.	9 "	1,362.96
Flesherton R.P.D.	11 "	406.71
Georgina R.P.D.	7 "	1,331.10
Gravenhurst R.P.D.	4 "	431.02
Hawkestone R.P.D.	3 "	555.49
Holstein R.P.D.	4 "	13.49
Huntsville R.P.D.	2 "	378.64
Innisfil R.P.D.	5 "	3,476.57
Lucknow R.P.D.	7 "	25.07
Mariposa R.P.D.	10 "	5,629.30
Markdale R.P.D.	9 "	435.46
Meaford R.P.D.	4 "	30.26
Medonte R.P.D.	3 "	233.34
Midland R.P.D.	2 "	299.10
Neustadt R.P.D.	6 "	22.43
Nottawasaga R.P.D.	11 "	2,111.30
Orangeville R.P.D.	6 "	1,131.45
Owen Sound R.P.D.	2 "	78.10
Port Perry R.P.D.	10 "	2,622.16
Ripley R.P.D.	7 "	203.34
Sauble R.P.D.	2 "	96.22
Shelburne R.P.D.	7 "	542.03
Sparrow Lake R.P.D.	8 "	3,063.92
Tara R.P.D.	8 "	1,532.27
Thornton R.P.D.	3 "	272.47
Utterson R.P.D.	3 "	831.76
Uxbridge R.P.D.	8 "	2,726.84
Wasaga Beach R.P.D.	10 "	5,879.82
Wroxeter R.P.D.	4 "	2,648.67
Total		816,185.21

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*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

GEORGIAN BAY SYSTEM

Reserve for Sinking Fund—October 31, 1932

Total provision for sinking fund to October 31, 1931		$701,427.54
Provided in the year ending October 31, 1932:		
By charges included in the cost of power delivered to municipalities and rural power districts	$72,462.99	
By charges included in the costs of distribution of power within rural power districts	7,237.63	
By charges against contracts with private companies which purchased power and local distribution systems	6,997.53	
Interest at 4% per annum on the amount standing at the credit of the account	28,059.52	
		114,757.67
Total		$816,185.21

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Sinking Fund, Renewals and Contingencies charged by the Commission to the Municipalities which operate the respective Rural Lines, for the year ending October 31, 1932

Operated by	Capital cost	Interest	Sinking fund	Renewals	Contingencies	Total interest, sinking fund, renewals and contingencies charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brechin	922.02	48.22	16.60	18.44	9.22	92.48
Flesherton	1,885.41	105.77	33.94	37.71	18.85	196.27
Totals	2,807.43	153.99	50.54	56.15	28.07	288.75

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of each line, together with interest allowed thereon to October 31, 1932

Lines operated by	Period of years ending October 31, 1932	Amount
		$ c.
Brechin	14 years	276.15
Flesherton	15 "	489.11
Total		765.26

GEORGIAN BAY SYSTEM—RURAL LINES

Reserve for Sinking Fund—October 31, 1932

Total provision for sinking fund to October 31, 1931		$687.23
Provided in year ending October 31, 1932:		
By charges against municipalities which operate the lines	$50.54	
Interest at 4% per annum on amounts standing at the credit of the reserve accounts	27.49	
		78.03
Total		$765.26

EASTERN ONTARIO

Operating Account for Year

COSTS OF OPERATION AS PROVIDED UNDER THE TERMS OF THE POWER COMMISSION ACT

Power purchased		$698,627.59
Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of the system:		
Generation, transmission and distribution equipment	$800,233.46	
Rural power districts	118,744.58	
		918,978.04
Interest (including exchange) on capital investment in:		
Generation, transmission and distribution equipment	$896,898.44	
Rural power districts	72,097.43	
		968,995.87
Provision for renewals of:		
Generation, transmission and distribution equipment	$188,709.65	
Rural power districts	59,621.00	
		248,330.65
Provision for obsolescence and contingencies in respect of:		
Generation, transmission and distribution equipment	$89,577.14	
Rural power districts	29,810.50	
		119,387.64
Provision for sinking funds:		
By charges included in the cost of power delivered to municipalities and rural power districts	$109,178.26	
By charges against contracts with private companies which purchase power and local distribution systems	46,238.23	
By charges included in the cost of distribution of power within rural power districts	16,015.88	
		171,432.37
		$3,125,752.16

SYSTEM

Ending October 31, 1932

REVENUE FOR PERIOD

Collected from municipalities	$1,816,967.21	
Power sold to private companies and local distribution systems	917,951.34	
Collected from customers in rural power districts	464,258.52	
		$3,199,177.07
Add:		
Amounts due by certain municipalities being the difference between the sums paid and the cost of power supplied to them in the year	$19,587.58	
Amounts due by municipalities comprising certain rural power districts, being the difference between the revenue collected from customers therein and the cost of power supplied them in the year	26,461.72	
		46,049.30
		$3,245,226.37
Deduct:		
Amounts collected from certain municipalities in excess of the sums required to be paid by them for power supplied in the year	$60,292.86	
Amounts collected from customers in certain rural power districts in excess of the cost of power delivered thereto	11,058.46	
		71,351.32
Revenue		$3,173,875.05
Deduct:		
Profit from power sold to local distribution systems, transferred to the credit of obsolescence and contingency reserve		48,122.89
		$3,125,752.16

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Alexandria	60.00	64.00	95,426.70	190.5	1,291.39	2,877.51	4,454.59
Apple Hill	60.00	60.00	8,887.11	27.3	185.07	455.30	415.93
Athens	65.00	55.00	33,498.01	85.6	580.28	1,674.18	1,588.79
Bath	......	105.00	17,330.60	23.3	157.95	519.96	824.52
Belleville	32.00	35.00	774,056.45	3,511.2	23,802.25	33,154.70	36,871.60
Bloomfield	60.00	60.00	30,605.89	78.1	529.44	1,514.09	1,427.41
Bowmanville	34.00	37.50	401,568.74	1,591.4	10,788.02	15,828.09	19,236.02
Brighton	37.00	42.50	61,115.41	236.6	1,603.90	3,346.37	2,912.93
Brockville	30.00	31.50	431,410.04	2,276.5	15,432.28	16,498.69	20,257.64
Cardinal	37.50	37.50	27,290.20	122.7	831.78	1,318.61	1,305.44
Carleton Place	35.00	35.00	237,582.93	1,037.0	7,029.77	7,017.73	11,211.03
Chesterville	40.00	44.50	55,508.78	207.5	1,406.63	2,309.72	2,561.33
Cobourg	33.50	37.50	261,255.38	1,078.6	7,311.78	11,110.20	12,518.83
Deseronto	54.00	54.00	52,027.50	145.9	989.05	2,126.55	2,477.49
Finch	65.00	67.00	16,811.15	36.3	246.08	577.53	793.20
Hastings	50.00	55.00	24,349.88	68.5	464.36	1,016.74	1,161.52
Havelock	45.00	47.00	65,710.75	187.5	1,271.05	2,929.40	3,111.84
Kemptville	40.00	42.50	68,221.92	258.8	1,754.39	2,336.25	3,222.89
Lakefield	46.00	46.00	67,548.84	204.9	1,389.01	3,351.99	3,207.79
Lanark	50.00	50.00	21,660.76	61.4	416.23	631.52	1,015.00
Lancaster	97.00	97.00	22,607.40	27.2	184.39	572.49	1,052.88
Lindsay	40.00	42.00	415,928.11	1,544.7	10,471.44	21,204.28	19,773.40
Madoc	44.50	49.00	43,855.30	143.7	974.14	2,026.52	2,088.33
Marmora	47.00	49.00	26,238.13	84.0	569.43	1,398.47	1,245.18
Martintown	50.00	55.00	6,780.40	22.1	149.81	450.32	318.64
Maxville	75.00	75.00	31,168.80	73.3	496.90	1,129.90	1,460.76
Napanee	36.00	37.00	218,675.12	925.2	6,271.88	9,032.47	10,425.70
Norwood	38.00	41.00	28,701.27	113.0	766.02	1,578.11	1,361.84
Oshawa	34.00	38.00	2,119,151.90	8,168.4	55,373.17	74,574.95	100,673.70
Ottawa	22.50	24.00	755,944.85	5,867.4	44,774.85	39,009.97	36,415.11
Ottawa	......	......	964.71	19,031.2	209,342.85	621.23	111.58
Perth	35.00	35.00	218,138.31	1,037.5	7,033.16	7,185.78	10,046.85
Peterborough	30.00	32.00	1,238,825.96	5,971.1	40,477.79	42,035.09	58,933.83
Picton	45.00	50.00	262,314.99	762.7	5,170.30	8,239.76	12,445.45
Port Hope	37.00	41.50	259,003.23	1,069.0	7,246.70	13,565.62	12,344.02
Prescott	30.00	31.00	138,625.57	785.3	5,323.51	6,137.61	6,538.30
Richmond	55.00	55.00	17,525.58	44.9	402.68	500.29	807.54
Russell	65.00	65.00	20,253.49	45.9	311.15	872.15	951.32
Smiths Falls	30.00	30.00	264,021.83	1,503.5	10,192.15	9,703.23	12,465.22
Stirling	30.00	32.00	48,309.78	246.2	1,668.98	2,149.79	2,303.56

SYSTEM *E.O.—COST OF POWER*

Power Commission Act—of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Munici- of power supplied to it in the year ending October 31, 1932

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,641.08	298.90	1,046.30	593.04	12,202.81	12,904.66	701.85	....
139.42	31.27	99.52	84.99	1,411.50	1,652.70	241.20	....
549.73	110.91	371.34	266.48	5,141.71	5,176.76	35.05	....
291.25	74.48	175.64	72.53	2,116.33	2,482.80	366.47	....
7,123.23	5,988.01	7,109.88	10,930.67	124,980.34	130,642.07	5,661.73	....
417.21	169.33	294.39	243.13	4,595.00	5,005.98	410.98	....
4,248.48	2,847.71	3,759.47	4,954.17	61,661.96	59,837.05	....	1,824.91
659.76	442.48	573.74	736.56	10,275.74	10,513.70	237.96	....
5,430.86	1,629.59	5,037.50	7,086.94	71,373.50	76,809.66	5,436.16	....
373.51	114.45	314.05	381.98	4,639.82	4,950.09	310.27	....
3,305.33	887.73	2,732.45	3,228.27	35,412.31	39,189.94	3,777.63	....
818 85	201.52	629.66	645.97	8,573.68	9,724.56	1,150.88	....
2,660.62	1,918.38	2,432.82	3,357.77	41,310.40	43,584.16	2,273.76	....
692.53	331.08	504.22	454.20	7,575.12	8,411.39	836.27	....
285.26	54.41	184.92	113.00	2,254.40	2,592.60	338.20	....
324.02	145.49	236.13	213.25	3,561.51	4,021.52	460.01	....
868.09	395.87	636.45	583.70	9,796.40	9,446.68	....	349.72
1,003.48	247.59	775.93	805.67	10,146.20	10,944.82	798.62	....
863.45	411.89	650.65	637.87	10,512.65	9,423.44	....	1,089.21
345.36	76.98	240.58	191.14	2,916.81	3,306.77	389.96	....
413.96	68.06	243.97	84.68	2,620.43	2,808.55	188.12	....
4,650.39	2,822.72	3,926.40	4,808.79	67,657.42	64,269.32	....	3,388.10
535.39	285.52	419.37	447.35	6,776.62	7,419.73	643.11	....
325.01	177.15	251.49	261.50	4,228.23	4,372.90	144.67	....
104.58	25.35	76.21	68.80	1,193.71	1,268.37	74.66	....
520.46	100.23	344.16	228.19	4,280.60	5,837.96	1,557.36	....
2,172.05	1,628.55	2,028.81	2,880.23	34,439.69	36,716.31	2,276.62	....
305.16	211.33	268.78	351.78	4,843.02	4,893.12	50.10	....
22,961.49	14,700.19	19,904.72	25,428.94	313,617.16	304,428.59	....	9,188.57
6,881.20	3,166.88	9,236.87	18,265.73	157,750.61	156,062.67	....	1,687.94
47.08	8.29	24.79	....	210,155.82	210,155.82	....	....
2,798.59	807.38	2,466.13	3,229.83	33,567.72	37,043.74	3,476.02	....
10,569.35	9,613.80	11,277.89	18,588.55	191,496.30	204,543.00	13,046.70	....
3,432.90	1,543.65	2,537.16	2,374.35	35,743.57	40,258.98	4,515.41	....
2,638.39	1,897.40	2,411.93	3,327.89	43,431.95	43,491.47	59.52	....
1,669.56	538.59	1,630.40	2,444.70	24,282.67	24,698.35	415.68	....
286.44	53.69	187.18	118.30	2,356.12	2,614.17	258.05	....
340.62	66.08	223.26	142.89	2,907.47	3,193.86	286.39	....
3,183.47	1,047.14	3,114.64	4,680.53	44,386.38	48,726.79	4,340.41	....
377.97	390.15	434.57	766.44	8,091.46	8,416.44	324.98	....

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horsepower supplied in year after correction for power factor	Cost of power purchased	Share of operating	
	To Jan. 1 1932	To Oct. 31 1932				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Trenton	26.50	28.50	486,025.33	2,612.2	17,707.97	16,364.57	23,365.32
Tweed	54.00	58.00	64,173.41	162.9	1,104.29	4,403.75	3,056.55
Warkworth	50.00	50.00	19,501.32	61.2	414.87	1,244.13	919.93
Wellington	45.00	46.00	56,074.43	180.3	1,222.24	2,404.91	2,664.96
Westport	92.84	92.84	36,769.49	59.0	399.96	1,015.24	1,831.73
Whitby	35.00	37.00	243,270.23	943.3	6,394.58	7,967.56	11,567.16
Williamsburg	42.00	43.00	16,158.48	75.3	510.46	986.01	710.10
Winchester	40.00	41.00	53,972.41	223.5	1,515.10	2,543.57	2,503.29
Rural Power Districts							
Alexandria R.P.D.—Hawkesbury E. and Lochiel twps			14,977.75	28.9	195.91	443.90	711.11
Arnprior R.P.D.—Fitzroy twp			....	....	1,339.00	....	....
Belleville R.P.D.—Huntingdon, Sidney, Thurlow and Tyendinaga twps			62,421.44	278.0	1,884.55	2,492.35	2,953.84
Bowmanville R.P.D. — Darlington twp			26,539.60	102.7	696.20	1,027.17	1,265.91
Brighton R.P.D. — Brighton, Cramahe and Murray twps			5,889.41	22.8	154.56	303.61	280.88
Brockville R.P.D.—Augusta, Elizabethtown, Escott Front, Leeds and Lansdowne Front, Leeds and Lansdowne Rear, Yonge Front and Yonge and Escott Rear twps			57,103.51	252.4	1,711.01	2,172.47	2,697.73
Campbellford R.P.D. — Rawdon and Seymour twps			12,394.50	60.2	408.09	384.48	587.55
Carleton Place R.P.D.—Ramsay twp			....	....	27.57	....	....
Chesterville R.P.D. — Cambridge, Finch, Osnabruck, Russell, Williamsburg and Winchester twps			56,406.10	176.1	1,193.77	1,877.83	2,667.71
Cobourg R.P.D.—Alnwick, Haldimand, Hamilton and Hope twps			54,947.43	212.6	1,441.21	2,109.41	2,602.81
Colborne R.P.D. — Cramahe and Haldimand twps			23,494.68	83.9	568.75	704.69	1,090.84
Fenelon Falls R.P.D. — Bexley, Fenelon, Laxton, Digby, Longford and Somerville twps			9,461.44	34.5	233.87	482.06	452.40
Iroquois R.P.D.—Gower S., Matilda, Mountain, Oxford, Williamsburg and Winchester twps			56,037.99	371.9	2,521.09	2,225.43	2,686.37
Kemptville R.P.D.—Oxford twp			4,947.56	17.5	118.63	147.13	236.53

SYSTEM

E.O.—COST OF POWER

Power Commission Act—of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Municipality of power supplied to it in the year ending October 31, 1932

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,509.93	4,051.46	4,347.32	8,132.01	77,478.58	79,905.92	2,427.34	....
896.09	354.35	627.65	507.12	10,949.80	9,961.17	....	988.63
241.92	122.59	185.93	190.52	3,319.89	3,109.40	....	210.49
692.81	353.83	537.27	561.29	8,437.31	8,888.31	451.00	....
686.87	129.57	418.09	183.67	4,665.13	5,480.38	815.25	....
2,623.44	1,653.63	2,283.79	2,936.57	35,426.73	34,566.72	....	860.01
194.54	60.47	174.47	234.42	2,870.47	3,434.46	563.99	....
754.73	205.21	611.21	695.77	8,828.88	9,779.36	950.48	....
258.97	47.85	164.00	89.97	1,911.71	1,911.71	see page	227
....	....	....	....	1,339.00	1,339.00	"	"
581.28	478.29	572.02	865.43	9,827.76	9,827.76	"	"
286.66	186.90	249.19	319.71	4,031.74	4,031.74	"	"
63.58	42.64	55.29	70.98	971.54	971.54	"	"
787.57	213.17	656.15	785.74	9,023.84	9,023.84	"	"
104.77	99.52	112.76	187.41	1,884.58	1,884.58	"	"
....	....	....	....	27.57	27.57	"	"
880.13	199.20	631.87	548.22	7,998.73	7,998.73	"	"
593.47	395.13	515.88	661.85	8,319.76	8,319.76	"	"
259.48	162.94	216.89	261.19	3,264.78	3,264.78	"	"
107.32	63.48	89.50	107.40	1,536.03	1,536.03	"	"
598.57	216.83	670.98	1,157.76	10,077.03	10,077.03	"	"
74.54	18.41	55.99	54.48	705.71	705.71	"	"

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

Rural Power Districts	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Kingston R.P.D.—Bedford, Ernestown, Hinchinbrooke, Kingston, Leeds and Lansdowne Front, Loughborough, Pittsburg and Portland twps	71,425.53	261.2	2,764.16	2,417.95	3,401.88
Lakefield R.P.D.—Burleigh and Anstruther, Douro, Harvey and Smith twps	5,923.21	19.0	128.80	194.30	262.70
Lindsay R.P.D.—Fenelon and Ops twps	3,477.41	10.5	71.18	159.88	165.90
Martintown R. P. D.—Charlottenburg and Lancaster twps	14,347.80	47.7	323.36	864.95	665.76
Maxville R.P.D.—Caledonia, Kenyon, Plantagenet N., Plantagenet S. and Roxborough twps	43,978.21	137.7	933.46	1,355.85	2,084.81
Millbrook R.P.D.—Cavan, Manvers and Monaghan S. twps	10,949.17	32.7	221.67	525.58	520.90
Napanee R.P.D.—Camden E., Ernestown, Hungerford, Fredericksburg N., Fredericksburg S., Portland, Richmond, Sheffield and Tyendinaga twps	51,694.06	174.6	1,183.61	2,144.61	2,460.74
Nepean R.P.D.—Clarence, Cumberland, Gloucester, Goulburn, Gower N., March, Nepean and Osgoode twps	72,487.77	559.0	5,159.10	4,990.48	3,322.71
Newcastle R.P.D.—Clark, Darlington and Manvers twps	16,895.05	57.3	388.43	601.56	802.58
North Bay R.P.D.—West Ferris and Widdifield twps	35,120.58	86.4	2.55	2,069.33	1,653.72
Norwood R.P.D.—Asphodel, Belmont & Methuen, Dummer and Seymour twps	6,221.96	19.0	128.80	256.84	295.42
Omemee R.P.D.—Emily and Ops twps	1,059.11	3.0	20.34	102.96	48.83
Oshawa R.P.D.—Darlington, Pickering, Whitby and Whitby E. twps	163,911.03	622.3	4,218.54	6,604.90	7,736.39
Perth R.P.D.—Bathurst, Burgess N., Elmsley N. and Elmsley S. twps	4,872.44	21.8	147.78	299.66	227.07
Peterborough R. P. D.—Cavan, Douro, Monaghan N., Monaghan S., Otonabee and Smith twps	97,172.60	443.9	3,009.18	3,650.47	4,609.77
Powassan R.P.D.—Himsworth S. twp	770.44	2.1	0.06	37.73	36.27

SYSTEM *E.O.—COST OF POWER*

Power Commission Act—of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Munici- of power supplied to it in the year ending October 31, 1932

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
808.86	490.00	675.80	813.14	11,371.79	11,371.79	see page	227
64.85	35.51	52.32	59.15	797.63	797.63	“	“
44.60	22.40	33.53	32.69	530.18	530.18	“	“
219.99	54.17	161.46	148.49	2,438.18	2,438.18	“	“
686.22	153.49	493.05	428.67	6,135.55	6,135.55	“	“
141.18	70.66	105.62	101.80	1,687.41	1,687.41	“	“
618.69	345.94	492.80	543.55	7,789.94	7,789.94	see page	229
746.35	299.93	835.66	1,440.43	16,794.66	16,794.66	“	“
201.69	114.90	161.02	178.38	2,448.56	2,448.56	“	“
392.78	133.75	....	....	4,252.13	4,252.13	“	“
79.22	40.16	59.89	59.14	919.47	919.47	“	“
13.39	6.61	9.92	9.34	211.39	211.39	“	“
1,778.96	1,120.28	1,532.04	1,937.27	24,928.38	24,928.38	“	“
64.11	18.30	54.61	67.87	879.40	879.40	“	“
887.27	740.04	891.87	1,381.90	15,170.50	15,170.50	“	“
8.13	2.97	....	....	85.16	85.16	“	“

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under the received by the Commission from each Municipality on account of such cost; pality upon ascertainment (by annual adjustment) of the actual cost

Rural Power Districts	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating	
				Operating, maintenance and administrative expenses	Interest (including exchange)
	$ c.		$ c.	$ c.	$ c.
Prescott R. P. D.— Augusta, Edwardsburg and Matilda twps.....	20,024.92	103.6	888.84	1,029.30	933.22
Renfrew R.P.D.—Admaston and Horton twps..................	....	....	330.00	....	....
Smiths Falls R.P.D.—Bastard & Burgess S., Crosby S., Kitley, Montague and Wolford twps......	41,209.02	158.3	1,073.11	1,482.88	2,127.63
Stirling R.P.D.—Rawden and Sidney twps........................	9,216.83	43.2	292.85	479.34	437.80
Trenton R.P.D.—Brighton, Murray and Sidney twps............	25,803.39	124.1	841.26	1,030.74	1,233.99
Warkworth R.P.D.—Percy twp....	705.69	3.0	20.34	44.08	33.54
Wellington R.P.D.—Ameliasburg, Athol, Hallowell, Hillier and Murray twps......................	52,115.58	171.3	1,161.23	2,336.45	2,478.52
Williamsburg R.P.D.—Matilda and Williamsburg twps...............	6,025.61	38.7	543.82	493.81	267.25
Totals—Municipalities.............	9,864,846.87	63,213.6	513,951.48	389.512.90	468,958.04
Totals—Rural Power Districts.......	1,140,028.82	4,781.9	36,346.68	47,544.18	54,041.08
Totals—Companies...............	5,434,387.31	20,128.4	136,449.40	216,913.56	272,568.33
Totals—Public Utilities owned by the Commission...............	2,071,443.51	4,825 1	11,880.03	146,262.82	101,330 99
	18,510,706.51				
Campbellford Pulp Mill...........	52,559.93				
Non-operating capital.............	13,874.53				
Grand totals..................	18,577,140.97	92,949.0	698,627.59	800,233.46	896,898.44

SYSTEM *E.O.—COST OF POWER*

**Power Commission Act—of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Munici-
of power supplied to it in the year ending October 31, 1932**

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Total cost of power for year as provided to be paid under Power Commission Act	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Obsolescence and contingencies	Sinking fund				Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
255.00	79.81	233.38	322.51	3,742.06	3,742.06	see page	229
....	....	....	....	330.00	330.00	"	"
672.95	187.84	505.77	492.80	6,542.98	6,542.98	"	"
81.13	72.16	84.05	134.49	1,581.82	1,581.82	"	"
221.02	206.19	235.11	386.32	4,154.63	4,154.63	"	"
6.98	5.40	6.54	9.34	126.22	126.22	"	"
635.01	341.19	498.23	533.27	7,983.90	7,983.90	"	"
75.07	22.94	64.97	82.81	1,550.67	1,550.67	"	"
105,855.91	62,461.33	98,000.10	137,522.17	1,776,261.93	1,816,967.21	60,292.86	19,587.58
13,299.79	6,689.00	11,178.16	14,273.50	183,372.39	183,372.39	....	....
44,522.38	14,221.73	42,699.86	(152,549.67)	574,825.59	574,825.59	....	....
25,031.57	6,205.08	3,538.37	754.00	295,002.86	343,125.75	48,122.89	*........
188,709.65	89,577.14	155,416.49	....	2,829,462.77	2,918,290.94	....	....

*Transferred to credit of obsolescence and contingencies reserve.

EASTERN ONTARIO SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Alexandria R.P.D.—Hawkesbury E. and Lochiel twps	26,951.93	13,475.97	13,475.96	1,911.71
Arnprior R.P.D.—Fitzroy twp	12,569.60	6,041.45	6,528.15	1,339.00
Belleville R. P. D.—Huntingdon, Sidney, Thurlow and Tyendinaga twps	149,157.08	73,902.72	75,254.36	9,827.76
Bowmanville R.P.D.—Darlington twp	41,019.40	20,509.70	20,509.70	4,031.74
Brighton R.P.D.—Brighton, Cramahe and Murray twps	14,571.51	7,285.76	7,285.75	971.54
Brockville R.P.D.—Augusta, Elizabethtown, Escott Front, Leeds & Lansdowne Front, Leeds & Lansdowne Rear, Yonge Front and Yonge & Escott Rear twps	*213,900.21	104,274.89	109,625.32	9,023.84
Campbellford R.P.D.—Rawdon and Seymour twps	*34,586.24	17,267.28	17,318.96	1,884.58
Carleton Place R.P.D.—Ramsay twp	887.71	443.86	443.85	27.57
Chesterville R.P.D.—Cambridge, Finch, Osnabruck, Russell, Williamsburg and Winchester twps	*93,440.21	45,077.07	48,363.14	7,998.73
Cobourg R. P. D.—Alnwick, Haldimand, Hamilton and Hope twps	177,740.35	88,133.96	89,606.39	8,319.76
Colborne R.P.D.—Cramahe and Haldimand twps	50,124.26	25,062.13	25,062.13	3,264.78
Fenelon Falls R. P. D.—Bexley, Fenelon, Laxton, Digby, Longford and Somerville twps	39,642.93	19,483.25	20,159.68	1,536.03
Iroquois R.P.D.—Gower S., Matilda, Mountain, Oxford, Williamsburg and Winchester twps	171,942.27	85,674.13	86,268.14	10,077.03
Kemptville R.P.D.—Oxford twp	11,388.48	5,547.41	5,841.07	705.71
Kingston R. P. D.—Bedford, Ernestown, Hinchinbrooke, Kingston, Leeds & Lansdowne Front, Loughborough, Pittsburg and Portland twps	238,666.45	115,330.17	123,336.28	11,371.79
Lakefield R.P.D.—Burleigh and Anstruther, Douro, Harvey and Smith twps	*42,732.64	21,255.64	21,477.00	797.63
Lindsay R.P.D.—Fenelon and Ops twps	22,991.62	11,495.81	11,495.81	530.18
Martintown R.P.D.—Charlottenburg and Lancaster twps	53,473.24	26,736.62	26,736.62	2,438.18
Maxville R.P.D.—Caledonia, Kenyon, Plantagenet N., Plantagenet S. and Roxborough twps	118,584.27	59,292.13	59,292.14	6,135.55
Millbrook R.P.D.—Cavan, Manvers and Monaghan S. twps	29,033.30	14,232.75	14,800.55	1,687.41

NOTE.—Items marked * include portions of transmission lines aggregating $22,909.93 used for purposes of rural power districts.

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1932

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
856.97	624.85	527.26	263.63	138.80	4,323.22	3,757.84	....	565.38
899.30	248.32	208.99	104.49	55.22	2,855.32	2,493.18	....	362.14
5,969.88	3,460.49	2,893.96	1,446.98	768.70	24,367.77	26,322.68	1,954.91	....
876.12	954.07	805.07	402.53	211.93	7,281.46	7,591.68	310.22	....
498.99	341.29	287.99	143.99	75.81	2,319.61	2,289.06	....	30.55
9,003.85	4,984.87	4,105.50	2,052.74	1,107.32	30,278.12	31,387.93	1,109.81	....
749.39	820.97	691.72	345.86	182.36	4,674.88	4,347.69	....	327.19
43.19	15.78	13.32	6.66	3.51	110.03	54.66	....	55.37
5,274.28	2,265.59	1,846.04	923.01	503.27	18,810.92	16,566.53	....	2,244.39
4,852.57	4,072.80	3,407.27	1,703.63	904.71	23,260.74	22,914.72	....	346.02
2,019.18	1,007.59	850.23	425.11	223.82	7,790.71	6,214.55	....	1,576.16
1,235.68	940.72	780.28	390.13	208.97	5,091.81	4,646.88	....	444.93
6,785.53	3,912.70	3,289.74	1,644.87	869.16	26,579.03	27,735.41	1,156.38	....
339.23	275.29	226.42	113.22	61.15	1,721.02	1,786.13	65.11	....
11,589.75	5,408.96	4,306.88	2,153.44	1,201.54	36,032.36	32,024.91	....	4,007.45
983.09	882.05	739.87	369.93	195.93	3,968.50	2,851.74	....	1,116.76
384.42	315.60	266.31	133.16	70.11	1,699.78	1,269.72	....	430.06
2,118.96	1,241.89	1,047.94	523.97	275.87	7,646.81	6,620.49	....	1,026.32
4,466.92	2,791.43	2,355.47	1,177.74	620.08	17,547.19	17,209.39	....	337.80
946.96	638.20	527.17	263.59	141.77	4,205.10	3,732.75	....	472.35

EASTERN ONTARIO SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged (by annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Napanee R.P.D.—Camden E., Ernestown, Hungerford, Fredericksburg N., Fredericksburg S., Portland, Richmond, Sheffield and Tyendinaga twps.	*202,491.61	98,365.99	104,125.62	7,789.94
Nepean R. P. D.—Clarence, Cumberland, Gloucester, Goulburn, Gower N., March, Nepean and Osgoode twps.	*320,738.38	156,384.44	164,353.94	16,794.66
Newcastle R.P.D.—Clark, Darlington and Manvers twps.	*38,135.45	18,137.01	19,998.44	2,448.56
North Bay R.P.D.—West Ferris and Widdifield twps.	30,043.54	14,670.24	15,373.30	4,252.13
Norwood R.P.D.—Asphodel, Belmont and Methuen, Dummer and Seymour twps.	*18,097.96	8,818.01	9,279.95	919.47
Omemee R.P.D.—Emily and Ops twps.	3,613.10	1,806.55	1,806.55	211.39
Oshawa R. P. D.—Darlington, Pickering, Whitby and Whitby E. twps.	262,066.32	127,443.48	134,622.84	24,928.38
Perth R.P.D.—Bathurst, Burgess N., Elmsley N. and Elmsley S. twps.	27,968.74	13,984.37	13,984.37	879.40
Peterborough R.P.D.—Cavan, Douro, Monaghan N., Monaghan S., Otonabee and Smith twps.	169,047.13	84,523.57	84,523.56	15,170.50
Powassan R.P.D.—Himsworth S. twp.	3,897.55	1,948.77	1,948.78	85.16
Prescott R. P. D.—Augusta, Edwardsburg and Matilda twps.	75,255.57	37,446.69	37,808.88	3,742.06
Renfrew R.P.D.—Admaston and Horton twps.	7,862.98	3,931.49	3,931.49	330.00
Smiths Falls R.P.D.—Bastard & Burgess S., Crosby S., Kitley, Montague and Wolford twps.	*116,399.05	56,211.55	60,187.50	6,542.98
Stirling R.P.D.—Rawdon and Sidney twps.	*51,230.43	22,727.16	28,503.27	1,581.82
Trenton R.P.D.—Brighton, Murray and Sidney twps.	*73,790.89	36,802.06	36,988.83	4,154.63
Warkworth R.P.D.—Percy twp.	*1,598.38	612.42	985.96	126.22
Wellington R. P. D.—Ameliasburg, Athol, Hallowell, Hillier and Murray twps.	167,328.24	83,372.10	83,956.14	7,983.90
Williamsburg R. P. D.—Matilda and Williamsburg twps.	26,747.83	13,373.91	13,373.92	1,550.67
	3,139,716.85	1,541,082.51	1,598,634.34	
Non-operating capital	7,013.62	3,506.81	3,506.81	
Totals	3,146,730.47	1,544,589.32	1,602,141.15	183,372.39

NOTE.—Items marked * include portions of transmission lines aggregating $22,909.93 used for purposes of rural power districts.

District, the revenues collected from (or charged to) customers within each District, to the Municipalities comprising certain other Districts upon ascertainment in the year ending October 31, 1932

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,721.98	4,477.97	3,651.09	1,825.54	994.71	24,461.23	19,846.18	....	4,615.05
11,524.19	7,595.97	6,258.66	3,129.34	1,687.34	46,990.16	46,211.83	....	778.33
1,110.61	936.06	752.64	376.32	207.94	5,832.13	6,151.64	319.51	....
2,211.83	691.05	570.23	285.12	153.82	8,164.18	9,635.69	1,471.51	....
547.28	430.31	353.87	176.93	95.58	2,523.44	2,033.32	....	490.12
9.59	85.64	72.27	36.13	19.02	434.04	260.62	....	173.42
12,526.39	5,902.72	4,854.46	2,427.24	1,311.21	51,950.40	55,223.31	3,272.91	....
716.13	600.25	506.50	253.25	133.34	3,088.87	1,678.81	....	1,410.06
5,810.65	3,913.49	3,302.29	1,651.15	869.33	30,717.41	31,993.60	1,276.19	....
44.53	83.09	70.11	35.06	18.46	336.41	377.46	41.05	....
3,609.83	1,730.87	1,453.30	726.65	384.49	11,647.20	11,530.44	....	116.76
181.40	181.35	153.19	76.59	40.33	962.86	582.38	....	380.48
5,669.09	2,633.74	2,143.59	1,071.79	585.05	18,646.24	17,734.65	....	911.59
942.62	1,333.63	1,009.82	504.92	296.25	5,669.06	5,002.30	....	666.76
2,099.33	1,739.44	1,464.04	732.03	386.40	10,575.87	10,601.72	25.85	....
25.86	46.29	31.78	15.89	10.28	256.32	311.33	55.01	....
4,985.77	3,950.46	3,321.81	1,660.91	877.54	22,780.39	19,615.80	....	3,164.59
1,113.24	561.64	473.92	236.96	124.76	4,061.19	3,649.50	....	411.69
118,744.58	72,097.43	59,621.00	29,810.50	16,015.88	479,661.78	464,258.52	11,058.46	26,461.72

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alexandria	Jan., 1921		410.81	410.81	
Apple Hill	Apr., 1921	105.50			105.50
Athens	Jan., 1929	1,734.24			1,734.24
Bath	Nov., 1931				
Belleville	Apr., 1929	1,885.16			1,885.16
Bloomfield	Apr., 1919	277.37			277.37
Bowmanville	Oct., 1931				
Brighton	Nov., 1929		946.76	946.76	
Brockville	Apr., 1915	1,138.24			1,138.24
Cardinal	Jul., 1930	242.92			242.92
Carleton Place	May, 1919	4,446.05			4,446.05
Chesterville	Apr., 1914		537.79	537.79	
Cobourg	Jan., 1932				
Deseronto	Jan., 1931	696.94			696.94
Finch	Feb., 1928		2.77	2.77	
Hastings	Jun., 1931		613.17	613.17	
Havelock	Feb., 1921	63.10			63.10
Kemptville	Dec., 1921		78.86	78.86	
Lakefield	Aug., 1920	1,355.96			1,355.96
Lanark	Sep., 1921	274.14			274.14
Lancaster	May, 1921		6,595.56	895.56	
Lindsay	Mar., 1928	597.65			597.65
Madoc	Jan., 1930		370.97	370.97	
Marmora	Jan., 1921	42.84			42.84
Martintown	May, 1921		56.00	56.00	
Maxville	Feb., 1921	1,095.14			1,095.14
Napanee	Nov., 1929	1,060.99			1,060.99
Norwood	Feb., 1921		82.97	82.97	
Oshawa	Feb., 1929		18,804.34	18,804.34	
Ottawa	Jan., 1914	5,202.08			5,202.08
Perth	Feb., 1919	5,424.09			5,424.09
Peterborough	Mar., 1913	4,527.53			4,527.53
Picton	Apr., 1919		1,299.75	1,299.75	
Port Hope	Nov., 1929	996.63			996.63
Prescott	Dec., 1913	828.35			828.35
Richmond	Aug., 1928	331.97			331.97
Russell	Feb., 1926	324.66			324.66
Smiths Falls	Sep., 1918	4,855.35			4,855.35
Stirling	Jan., 1930		87.55	87.55	
Trenton	Sept., 1931				
Tweed	Dec., 1930		301.96	301.96	
Warkworth	Oct., 1923	349.44			349.44
Wellington	Apr., 1919	234.84			234.84

SYSTEM *E.O.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	7.00	701.85		694.85	
1.76		241.20		242.96	
29.00		35.05		64.05	
		366.47		366.47	
32.35		5,661.73		5,694.08	
4.52		410.98		415.50	
			1,824.91		1,824.91
	16.14	237.96		221.82	
19.90		5,436.16		5,456.06	
3.96		310.27		314.23	
102.59		3,777.63		3,880.22	
	9.99	1,150.88		1,140.89	
		2,273.76		2,273.76	
11.79		836.27		848.06	
	0.05	338.20		338.15	
	12.60	460.01		447.41	
1.23			349.72		348.49
	1.32	798.62		797.30	
23.82			1,089.21		1,065.39
5.48		389.96		395.44	
	250.61	188.12			5,762.49
9.86			3,388.10		3,378.24
	6.37	643.11		636.74	
0.89		144.67		145.56	
	1.00	74.66		73.66	
23.36		1,557.36		1,580.72	
17.74		2,276.62		2,294.36	
	1.58	50.10		48.52	
	316.49		9,188.57		9,505.06
90.40			1,687.94		1,597.54
96.71		3,476.02		3,572.73	
75.71		13,046.70		13,122.41	
	22.59	4,515.41		4,492.82	
16.23		59.52		75.75	
15.75		415.68		431.43	
5.64		258.05		263.69	
6.69		286.39		293.08	
96.05		4,340.41		4,436.46	
	1.47	324.98		323.51	
		2,427.34		2,427.34	
	4.95		988.63		993.58
7.13			210.49		203.36
3.82		451.00		454.82	

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Westport	Nov., 1931				
Whitby	Jan., 1926		29.59	29.59	
Williamsburg	Apr., 1915	86.85			86.85
Winchester	Jan., 1914	320.08			320.08
RURAL POWER DISTRICTS*					
Alexandria R.P.D.	Dec., 1929		1,837.97		
Arnprior R.P.D.	Dec., 1930		1,002.56		
Belleville R.P.D.	Aug., 1927	18,135.39			
Bowmanville R.P.D.	Jan., 1924	631.44			
Brighton R.P.D.	Nov., 1929		255.98		
Brockville R.P.D.	Nov., 1921	1,244.16			
Campbellford R.P.D.	Aug., 1924		874.85		
Carleton Place R.P.D.	Feb., 1932				
Chesterville R.P.D.	Nov., 1921	5,567.09			94.74
Cobourg R.P.D.	Feb., 1927	2,327.51			
Colborne R.P.D.	Aug., 1925	1,355.80			
Fenelon Falls R.P.D.	Jul., 1931		410.76		
Iroquois R.P.D.	Jul., 1930	1,388.77			
Kemptville R.P.D.	Dec., 1930		542.09		
Kingston R.P.D.	Jan., 1923		4,299.94		
Lakefield R.P.D.	Jul., 1928		695.32		
Lindsay R.P.D.	Jul., 1930		346.14		
Martintown R.P.D.	Jan., 1922	765.31			
Maxville R.P.D.	Dec., 1927		581.69		
Millbrook R.P.D.	Jul., 1930		831.62		
Napanee R.P.D.	Nov., 1927		3,150.43		
Nepean R.P.D.	Feb., 1922	7,625.11			50.62
Newcastle R.P.D.	Sep., 1927	1,503.69			
North Bay R.P.D.	Jun., 1927	5,864.95			
Norwood R.P.D.	Jan., 1929		873.42		
Omemee R.P.D.	Jan., 1931		123.00		
Oshawa R.P.D.	Apr., 1918	33,326.99			
Perth R.P.D.	Aug., 1931		443.69		
Peterborough R.P.D.	Jan., 1927	11,891.60			
Powassan R.P.D.	Nov., 1931				
Prescott R.P.D.	Jun., 1922		224.47		
Renfrew R.P.D.	Nov., 1930		422.75		
Smiths Falls R.P.D.	May, 1929		3,254.18		
Stirling R.P.D.	Nov., 1929		760.10		
Trenton R.P.D.	Jan., 1924	2,359.25			
Warkworth R.P.D.	Nov., 1928	6.64			
Wellington R.P.D.	Nov., 1925		2,555.46		
Williamsburg R.P.D.	Feb., 1923		1,432.69		
Totals		132,491.81	55,137.96	24,518.85	38,643.47

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SYSTEM *E.O.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	815.25	....	815.25	....
....	0.50	....	860.01	....	860.51
1.45	....	563.99	....	565.44	....
6.05	....	950.48	....	956.53	....
....	73.52	....	565.38	....	2,476.87
....	40.10	....	362.14	....	1,404.80
725.42	....	1,954.91	....	20,815.72	....
25.26	....	310.22	....	966.92	....
....	10.24	....	30.55	....	296.77
49.77	....	1,109.81	....	2,403.74	....
....	34.99	....	327.19	....	1,237.03
....	....	....	55.37	....	55.37
220.47	....	....	2,244.39	3,448.43	....
93.10	....	....	346.02	2,074.59	....
54.23	....	....	1,576.16	....	166.13
....	16.43	....	444.93	....	872.12
55.55	....	1,156.38	....	2,600.70	....
....	21.68	65.11	....	....	498.66
....	172.00	....	4,007.45	....	8,479.39
....	27.81	....	1,116.76	....	1,839.89
....	13.85	....	430.06	....	790.05
30.61	....	....	1,026.32	....	230.40
....	23.27	....	337.80	....	942.76
....	33.26	....	472.35	....	1,337.23
....	126.02	....	4,615.05	....	7,891.50
304.52	....	....	778.33	7,100.68	....
60.15	....	319.51	....	1,883.35	....
234.60	....	1,471.51	....	7,571.06	....
....	34.94	....	490.12	....	1,398.48
....	4.92	....	173.42	....	301.34
1,333.08	....	3,272.91	....	37,932.98	....
....	17.75	....	1,410.06	....	1,871.50
475.66	....	1,276.19	....	13,643.45	....
....	....	41.05	....	41.05	....
....	8.98	....	116.76	....	350.21
....	16.91	....	380.48	....	820.14
....	130.17	....	911.59	....	4,295.94
....	30.40	....	666.76	....	1,457.26
94.37	....	25.85	....	2,479.47	....
0.27	....	55.01	....	61.92	....
....	102.22	....	3,164.59	....	5,822.27
....	57.31	....	411.69	....	1,901.69
4,466.94	1,649.43	71,351.32	46,049.30	163,626.13	72,277.37

EASTERN ONTARIO SYSTEM

Reserve for Renewals—October 31, 1932

Total provision for renewals to October 31, 1931		$3,816,713.72
Deduct expenditures to October 31, 1931		866,143.68
Balance brought forward at October 31, 1931		$2,950,570.04
Added during the year ending October 31, 1932:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$119,155.70	
Amounts included in the costs of distribution of power within rural power districts	59,621.00	
Provision against equipment employed in respect of contracts with private companies, which purchased power, and against equipment in local distribution systems and Pulp Mill	70,605.15	
Reserve provided in respect of equipment transferred	567.98	
Interest at 4% per annum on the monthly balances at the credit of the account	118,022.80	
		367,972.63
		$3,318,542.67
Deduct:		
Expenditures during the year ending October 31, 1932	$29,546.32	
Accumulated reserves for renewals in respect of local distribution systems sold to municipalities during the year—employed to write down the book values of such local distribution systems	232,677.32	
		262,223.64
Balance carried forward October 31, 1932		$3,056,319.03

EASTERN ONTARIO SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1932

Balance brought forward at October 31, 1931		$1,254,868.33
Added during the year ending October 31, 1932:		
Reserve provided for doubtful accounts no longer necessary	$6,500.00	
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	69,150.33	
Amount included in the costs of distribution of power within rural power districts	29,810.50	
Provision against equipment employed in respect of contracts with private companies which purchased power, and local distribution systems	20,426.81	
Net profit from operation of local distribution systems and utilities	51,596.24	
Interest at 4% per annum on monthly balances at the credit of the account	50,284.02	
		227,767.90
		$1,482,636.23
Deduct:		
Contingencies met with during the year ending October 31, 1932	$118,909.69	
Share of exchange paid to the Province of Ontario in respect of bonds retired in U.S.A. funds during the year	48,991.81	
		167,901.50
Balance carried forward October 31, 1932		$1,314,734.73

EASTERN ONTARIO SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds, provided out of other revenues of the system, and interest allowed thereon to October 31, 1932

Municipality	Period of years ending Oct. 31, 1932	Amount
		$ c.
Alexandria	8 years	15,644.86
Apple Hill	8 "	1,487.73
Athens	4 "	1,963.21
Bath	1 "	197.12
Belleville	4 "	47,019.61
Bloomfield	4 "	2,120.14
Bowmanville	1 "	5,560.89
Brighton	3 "	2,906.02
Brockville	12 "	80,957.62
Cardinal	3 "	977.62
Carleton Place	8 "	35,365.68
Chesterville	13 "	15,728.92
Cobourg	1 "	3,427.31
Deseronto	2 "	1,307.52
Finch	5 "	1,499.69
Hastings	2 "	457.18
Havelock	4 "	4,797.36
Kemptville	8 "	8,652.10
Lakefield	4 "	3,781.43
Lanark	8 "	2,714.19
Lancaster	8 "	3,717.90
Lindsay	4 "	28,066.59
Madoc	3 "	1,846.15
Marmora	4 "	1,723.75
Martintown	8 "	959.81
Maxville	8 "	4,441.70
Napanee	3 "	10,888.37
Norwood	4 "	2,285.20
Oshawa	4 "	151,491.31
Ottawa	17 "	38,711.28
Perth	8 "	29,643.76
Peterborough	4 "	96,111.68
Picton	4 "	16,322.07
Port Hope	3 "	13,778.49
Prescott	13 "	22,626.61
Richmond	5 "	625.24
Russell	7 "	2,519.15
Smiths Falls	9 "	46,715.99
Stirling	3 "	2,277.14
Trenton	1 "	7,609.07
Tweed	2 "	1,650.84
Warkworth	4 "	1,174.16
Wellington	4 "	3,134.43
Westport	1 "	472.49
Whitby	4 "	16,234.96
Williamsburg	12 "	1,952.97
Winchester	13 "	9,717.34

Rural Power District	Period of years ending Oct. 31, 1932	Amount
		$ c.
RURAL POWER DISTRICTS*		
Alexandria R.P.D.	3 years	719.36
Arnprior R.P.D.	2 "	101.48
Belleville R.P.D.	4 "	5,500.78
Bowmanville R.P.D.	4 "	1,344.83
Brighton R.P.D.	3 "	331.24
Brockville R.P.D.	11 "	8,283.52
Campbellford R.P.D.	4 "	1,518.77
Carleton Place R.P.D.	1 "	3.51
Chesterville R.P.D.	11 "	5,401.98
Cobourg R.P.D.	4 "	6,027.27
Colborne R.P.D.	4 "	1,671.15
Fenelon Falls R.P.D.	2 "	432.47
Iroquois R.P.D.	3 "	4,450.66
Kemptville R.P.D.	2 "	223.56
Kingston R.P.D.	4 "	5,186.01
Lakefield R.P.D.	4 "	330.21
Lindsay R.P.D.	3 "	161.70
Martintown R.P.D.	11 "	3,643.36
Maxville R.P.D.	5 "	3,901.12
Millbrook R.P.D.	3 "	602.03
Napanee R.P.D.	4 "	3,411.47
Nepean R.P.D.	11 "	9,777.43
Newcastle R.P.D.	4 "	1,276.62
North Bay R.P.D.	3 "	449.35
Norwood R.P.D.	4 "	467.28
Omemee R.P.D.	2 "	61.90
Oshawa R.P.D.	4 "	13,429.23
Perth R.P.D.	2 "	229.07
Peterborough R.P.D.	4 "	9,948.19
Powassan R.P.D.	1 "	20.40
Prescott R.P.D.	11 "	5,204.17
Renfrew R.P.D.	2 "	70.56
Smiths Falls R.P.D.	4 "	3,411.49
Stirling R.P.D.	3 "	933.46
Trenton R.P.D.	4 "	1,464.42
Warkworth R.P.D.	4 "	65.37
Wellington R.P.D.	4 "	3,595.59
Williamsburg R.P.D.	8 "	621.20
Total		857,536.86

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*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

EASTERN ONTARIO SYSTEM

Reserve for Sinking Fund—October 31, 1932

Total provision for sinking fund to October 31, 1931		$659,715.86
Provided in the year ending October 31, 1932:		
By charges included in the cost of power delivered to municipalities and rural power districts	$109,178.26	
By charges included in the costs of distribution of power within rural power districts	16,015.88	
By charges against contracts with private companies which purchased power, and local distribution systems	46,192.56	
Interest at 4% per annum on the amount standing at the credit of the account	26,434.30	
		197,821.00
Total		$857,536.86

THUNDER BAY

Operating Account for the Year

COSTS OF OPERATION AS PROVIDED FOR UNDER THE TERMS OF THE POWER COMMISSION ACT

Costs of operation and maintenance, including the proportion of administrative expenses chargeable to the operation of this system:		
Generation and transmission equipment	$202,811.67	
Rural power districts	412.59	
		$203,224.26
Interest (including exchange) on capital investment in:		
Generation and transmission equipment	$1,017,361.90	
Rural power districts	368.45	
		1,017,730.35
Provision for renewals of:		
Generation and transmission equipment	$147,206.47	
Rural power districts	264.72	
		147,471.19
Provision for obsolescence and contingencies in respect of:		
Rural power districts	$132.36	
		132.36
Provision for sinking fund:		
By charges included in the cost of power delivered to municipalities and rural power districts	$108,863.08	
By charges against contracts with private companies which purchase power	28,133.27	
By charges included in the cost of distribution of power within rural power districts	69.69	
		137,066.04
Total costs of operation		$1,505,624.20
Deduct:		
Cost to the Commission (including provisions for sinking fund $28,133.27 and renewals $29,929.18) of power delivered to private companies and customers under flat rate contracts, in excess of the revenue received from them—which excess has been charged against the Contingency Reserve of the system	$41,499.15	
Amount appropriated from the Contingency Reserve of the system and applied proportionately to each municipality in reduction of the costs of operation	102,000.00	
		143,499.15
		$1,362,125.05

SYSTEM

Ending October 31, 1932

REVENUE FOR PERIOD

Amount received from (or billed against) each municipality by the Commission	$987,259.54	
Power sold to private companies	246,505.66	
Amounts received from (or billed against) customers in rural power districts	1,672.97	$1,235,438.17
Add:		
Amounts due by certain municipalities, being the difference between the sums received (or billed) at interim rates and the amounts charged—following annual adjustment—in respect of power supplied in the year	$127,446.02	
Amounts due by municipalities comprising certain Rural Power Districts, being the difference between the sums received from (or billed against) customers therein and the amounts charged to such districts—following annual adjustment—in respect of power supplied in the year	123.34	127,569.36
		$1,363,007.53
Deduct:		
Amounts received from the Township of Nipigon in excess of the sum required to be paid by it for power supplied in the year	$881.60	
Sums received from (or billed against) customers in Port Arthur Rural Power District in excess of the amounts charged to this district—following annual adjustment—in respect of power supplied in the year	0.88	882.48
Revenue		$1,362,125.05
		$1,362,125.05

THUNDER BAY

Statement showing the amount chargeable (upon annual adjustment) to each by the Commission; the amount appropriated from the contingency reserve amount received by the Commission from each Municipality; municipality in respect of power supplied to

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating	
	To Jan. 1, 1932	To Oct. 31, 1932			Operating, maintenance and administrative expenses	Interest (including exchange)
			$ c.		$ c.	$ c.
Fort William	$21.00 plus transformation charges...		3,519,429.32	10,488.6	39,948.04	193,881.24
Port Arthur	$21.00 plus transformation charges...		11,089,652.23	33,558.4	122,461.00	610,464.01
Township of Nipigon	$30.00...	$35.00...	24,229.76	78.7	243.93	1,335.59
Rural Power District						
Fort William R.P.D.—Neebing and Paipoonge twps.			1,811.96	5.4	20.41	100.35
Port Arthur R.P.D.—Shuniah twp.			5,065.52	14.2	78.04	276.48
Totals—Municipalities			14,633,311.31	44,125.7	162,652.97	805,680.84
Totals—Rural power districts			6,877.48	19.6	98.45	376.83
Totals—Companies			3,815,365.26	11,736.3	40,060.25	211,304.23
			18,455,554.05			
Non-operating capital			4,049.61			
Grand totals			18,459,603.66	55,881.6	202,811.67	1,017,361.90

THUNDER BAY SYSTEM—

Statement showing the costs of distribution of power within each Rural Power and the amounts remaining to be credited to certain Districts or charged to annual adjustment) of the actual costs

District and municipalities comprised therein	Total capital cost of each district, Provincial Government grant received and applied thereagainst, and the balance representing the investment by the Commission			Cost of power delivered to districts as shown in "cost of power" table preceding
	Total capital cost	Government grant	Commission's investment	
	$ c.	$ c.	$ c.	$ c.
Fort William R.P.D.—Neebing and Paipoonge twps.	25,389.57	12,694.78	12,694.79	139.10
Port Arthur R.P.D.—Shuniah twp.	16,880.12	8,440.06	8,440.06	408.52
Totals	42,269.69	21,134.84	21,134.85	547.62

SYSTEM *T.B.—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to it of the system and proportionately applied in reduction of such cost; the and the amount remaining to be credited or charged to each it in the year ending October 31, 1932

costs and fixed charges		Total cost of power for year	Amount appropriated from contingency reserve and proportionately applied in reduction of such cost	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Renewals	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
28,479.22	26,297.28	288,605.78	19,144.71	269,461.07	245,166.86	....	24,294.21
88,557.58	82,339.89	903,822.48	61,253.74	842,568.74	739,416.93	....	103,151.81
183.89	174.39	1,937.80	143.65	1,794.15	2,675.75	881.60	....
14.66	13.54	148.96	9.86	139.10	139.10	....	....
41.94	37.98	434.44	25.92	408.52	408.52	....	....
117,220.69	108,811.56	1,194,366.06	80,542.10	1,113,823.96	987,259.54	881.60	127,446.02
56.60	51.52	583.40	35.78	547.62	547.62	....	....
29,929.18	28,133.27	309,426.93	21,422.12	288,004.81	246,505.66	....	41,499.15*
147.206.47	136,996.35	1,504,376.39	102,000.00	1,402,376.39	1,234,312.82	....	....

*Written off through Contingency Reserve.

RURAL POWER DISTRICTS *T.B.—RURAL OPERATING*

District, the revenues collected from (or charged to) customers within each District, the Municipalities comprising certain other Districts upon ascertainment (by in the year ending October 31, 1932

Distribution costs and fixed charges					Total cost	Revenue from power and light customers in each district	Amounts remaining to be credited to certain districts or charged to the municipalities comprising certain other districts	
Cost of operation, maintenance and administration	Interest (including exchange)	Renewal charges	Obsolescence and contingencies	Sinking fund			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
100.72	58.90	42.32	21.16	11.14	373.34	250.00	....	123.34
311.87	309.55	222.40	111.20	58.55	1,422.09	1,422.97	0.88	....
412.59	368.45	264.72	132.36	69.69	1,795.43	1,672.97	0.88	123.34

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1932, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1931		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Fort William	Oct., 1926	....	10,783.50	10,783.50	....
Nipigon twp.	Jan., 1925	546.08	....	....	546.08
Port Arthur	Dec., 1910	....	32,705.45	....	....
RURAL POWER DISTRICTS*					
Fort William R.P.D.	Oct., 1932	....	....	....	....
Port Arthur R.P.D.	Jan., 1932	....	....	....	....
		546.08	43,488.95	10,783.50	546.08

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

THUNDER BAY SYSTEM

Reserve for Renewals—October 31, 1932

Total provision for renewals to October 31, 1931	$958,502.36	
Deduct:		
Expenditures to October 31, 1931	3,358.56	
Balance brought forward October 31, 1931		$955,143.80
Added during the year ending October 31, 1932:		
Amounts charged to municipalities as part of the cost of power delivered to them	$117,277.29	
Amounts included in the costs of distribution of power within rural power districts	264.72	
Provision against equipment employed in respect of contracts with private companies which purchased power	29,929.18	
Interest at 4% per annum on monthly balances at the credit of the account	38,205.75	
		185,676.94
		$1,140,820.74
Deduct:		
Expenditures during the year ending October 31, 1932		298.34
Balance carried forward October 31, 1932		$1,140,522.40

SYSTEM *T.B.—CREDIT OR CHARGE*

supplied to it to October 31, 1931, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1932

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1932		Accumulated amount standing as a credit or charge on October 31, 1932	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	233.35	....	24,294.21	....	24,527.56
10.03	....	881.60	....	891.63	....
....	1,308.22	....	103,151.81	....	137,165.48
....	....	....	123.34	....	123.34
....	....	0.88	....	0.88	....
10.03	1,541.57	882.48	127,569.36	892.51	161,816.38

THUNDER BAY SYSTEM

Reserve for Obsolescence and Contingencies—October 31, 1932

Balance brought forward October 31, 1931		$920,639.40
Added during the year ending October 31, 1932:		
Amount included in the costs of distribution of power within rural power districts	$132.36	
Interest at 4% per annum on monthly balances at the credit of the account	36,825.58	
		36,957.94
		$957,597.34
Deduct:		
Cost to the Commission (including provisions for Sinking Fund $28,133.27 and Renewals $29,929.18) of power delivered to private companies under flat rate contracts in excess of the revenue received from them	$41,499.15	
Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet capital retirements	102,857.13	
NOTE.—Above amount is exclusive of American exchange on interest coupons.		
Amount appropriated from the Contingency Reserve and applied proportionately to each municipality in reduction of the cost of delivery of power thereto	102,000.00	
		246,356.28
Balance carried forward October 31, 1932		$711,241.06

THUNDER BAY SYSTEM *SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1932

Municipality	Period of years ending October 31, 1932	Amount
		$ c.
Fort William	6 years	198,429.14
Port Arthur	6 "	687,753.77
Township of Nipigon	6 "	1,144.42
RURAL POWER DISTRICT*		
Fort William R.P.D.	1 year	28.12
Port Arthur R.P.D.	1 "	105.58
Total		887,461.03

*For townships included in rural power districts see "Cost of Power" and "Rural Operating" statements preceding.

SUDBURY DISTRICT—

Operating Account for the

COST OF OPERATION

Cost of operating and maintaining generating plants, transmission lines and stations, including water rentals and the proportion of administrative expenses of the Commission chargeable to the operation of the properties	$78,387.34
Engineering and other expenses in connection with arrangements for an additional supply of power for this district	1,113.29
Interest on the capital investment of the Commission in the Wahnapitae properties	157,265.71
Provision for renewals	27,096.90
	$263,863.24
Surplus—Available for contingency reserve	73,789.16
	$337,652.40

SUDBURY DISTRICT—WAHNAPITAE PROPERTIES

Reserve for Renewals—October 31, 1932

Balance brought forward at October 31, 1931		$26,874.94
Added during the year ending October 31, 1932	$27,096.90	
Interest at 4 per cent. per annum on monthly balances at the credit of the account	1,075 00	
		28,171.90
		$55,046.84
Deduct:		
Expenditures during the year		139.18
Balance carried forward October 31, 1932		$54,907 66

THUNDER BAY SYSTEM

Reserve for Sinking Fund—October 31, 1932

Total provision for sinking fund to October 31, 1931		$721,533.64
Provided in the year ending October 31, 1932:		
By charges included in the cost of power delivered to municipalities	$108,863.08	
By charges included in the costs of distribution of power within rural power districts	69.69	
By charges against contracts with private companies which purchase power	28,133.27	
Interest at 4% per annum on amounts standing at the credit of the reserve account	28,861.35	
		165,927.39
Total		$887,461.03

WAHNAPITAE PROPERTIES

Year ending October 31, 1932

Revenue for Period

Power sold at fixed rates to private consumers and municipalities	$337,652.40
	$337,652.40

SUDBURY DISTRICT—WAHNAPITAE PROPERTIES

Reserve for Obsolescence and Contingencies—October 31, 1932

Balance brought forward at October 31, 1931		$54,392.24
Added during the year ending October 31, 1932	$73,789.16	
Interest at 4 per cent. per annum on monthly balances at the credit of the account	2,175.69	
		75,964.85
Deduct:		$130,357.09
Share of exchange paid to Province in respect of capital retired in American funds		28,641.10
Balance carried forward, October 31, 1932		$101,715.99

ABITIBI DISTRICT—

Operating Account for the

COST OF OPERATION

Power purchased	$315,250.00
Cost of operating and maintaining transmission line and metering station	38,374.40
Interest on the capital investment of the Commission in the Abitibi line and station	132,853.14
	$486,477.54

PATRICIA DISTRICT—

Operating Account for the

COST OF OPERATION

Cost of operating and maintaining generating plant at Ear Falls, including water rentals and the proportion of administrative expenses chargeable to the operation of the plant	$18,698.70
Interest on Commission's investment in the plant	29,276.24
Surplus—Available for renewals reserve (Standard rate at 1½%=7,247.72)	2,185.24
	$50,160.18

ACCOUNT WITH THE PROVINCIAL TREASURER—NIAGARA AND

June 7, 1932 Aug. 5, 1932 Sept. 9, 1932	Cash returned to the Province in the year ending October 31, 1932, to cover the difference between advances by the Province to the Commission and the capital expenditures made out of such advances by the Commission, in the year ending October 31, 1931		$902,314.82
June 7, 1932	Repayment to the Province of the investment—according to book values—in the distribution systems in Bowmanville and Trenton (in the former Central Ontario System) upon the sale of these properties to the municipalities		297,050.10
Apr. 30, 1932	Paid on account of interest and exchange	$5,666,082.82	
Oct. 31, 1932	American exchange on interest payable in New York funds on registered bonds of the Province of Ontario held by the Commission as the investment, in part, of its reserve funds	145,030.08	
Oct. 31, 1932	Cheque to cover balance of interest and exchange for year ending October 31, 1932	5,777,358.40	
			11,588,471.30
Oct. 31, 1932	Payment under debt retirement plan		2,402,944.38
Oct. 31, 1932	Balance carried down		189,635,191.09
			$204,825,971.69

ABITIBI-SUDBURY LINE

Year ending October 31, 1932

REVENUE FOR PERIOD

Power sold at fixed rate to the International Nickel Company	$288,000.00
Excess of costs of operation (including interest) over revenue which amount is recoverable from the Province of Ontario under the terms of an agreement dated July 29th, 1930, approved by Order-in-Council dated July 31, 1930.	198,477.54
	$486,477.54

(EAR FALLS GENERATING PLANT)

Year ending October 31, 1932

REVENUE FOR PERIOD

Power sold to private consumer	$50,160.18
	$50,160.18

Patricia District—Reserve for Renewals—October 31, 1932

Balance brought forward at October 31, 1931		$5,674.60
Added during the year ending October 31, 1932	$2,185.24	
Provision for renewals on equipment transferred	73.20	
Interest at 4 per cent. annum on monthly balances at the credit of the account	226.98	
		2,485.42
Balance carried forward, October 31, 1932		$8,160.02

OTHER SYSTEMS—FOR THE YEAR ENDING OCTOBER 31, 1932

Oct. 31, 1931	Cash advances to date for the purposes of Niagara and other Power Systems	$200,827,676.36	
	Less repayments to that date under debt retirement plan	12,450,495.97	
			$188,377,180.39
Nov. 1, 1931 to Oct. 31, 1932	Sundry cash advances		4,860,320.00
Oct. 31, 1932	Interest for year on all cash advances—at the rates listed hereunder	$10,484,659.44	
Oct. 31, 1932	Commission's share of American exchange paid during the year by the Province of Ontario on the transfer of funds to New York to meet interest and capital retirements	1,718,358.76	
		$12,203,018.20	
	Less—Interest credited by Province on repayments made by Commission	614,546.90	
			11,588,471.30
			$204,825,971.69
Nov. 1, 1932	Total cash advances		$204,488,631.44
	Less—Payments made under debt retirement plan		14,853,440.35
			$189,635,191.09

GUELPH

Operating Account for

Expenditure

Transportation expense	$25,403.63	
Maintenance—way and structures	7,938.41	
Maintenance—equipment	17,404.29	
Electric power and motor fuel	7,282.81	
General operating and management expenses	8,565.97	
Proportion of administrative and accounting expenses of the Commission chargeable to the operation of the railway	2,772.69	
Insurance	4,011.95	
Taxes	353.89	
		$73,733.64
Interest		13,888.30
Provision for instalments payable to the city of Guelph on May 1, 1932, and November 1, 1932, under purchase agreement:		
Interest for year	$3,712.82	
On account of principal	7,987.18	
		11,700.00
Provision for sinking fund		3,159.00
		$102,480.94

GUELPH RADIAL RAILWAY

Reserve for Renewals—October 31, 1932

Total provision for renewals to October 31, 1931	$54,546.23
Deduct:	
Expenditures to October 31, 1931	22,915.16
Balance brought forward October 31, 1931	$31,631.07
Added during the year ending October 31, 1932:	
Interest at 4% on the monthly balances to the credit of the account	1,247.18
	$32,878.25
Deduct:	
Expenditures during the year ending October 31, 1932	1,945.03
Balance carried forward October 31, 1932	$30,933.22

RADIAL RAILWAY

the Year ending October 31, 1932

Revenue

Operating revenue	$65,595.53
Net deficit for year payable by the city of Guelph	36,885.41
	$102,480.94

GUELPH RADIAL RAILWAY

Reserve for Sinking Fund—October 31, 1932

Total provision for sinking fund to October 31, 1931	$1,579.50
Provided in the year ending October 31, 1932	3,159.00
Interest at 4% on the monthly balances at the credit of the account	63.18
Balance carried forward October 31, 1932	$4,801.68

THE HAMILTON STREET

A Subsidiary of the Hydro-Electric

Balance Sheet—

ASSETS

Properties, road, equipment, motor buses, franchises, etc., as shown in the books of the Company		$4,929,742.79	
Less: Reserves for renewal—			
Of properties, road and equipment	$840,772.59		
Of motor buses (fully covered)	193,586.94		
		1,034,359.53	
			$3,895,383.26
Work in progress—Chargeable upon completion to accounts receivable and to plant accounts			23,950.43
Materials and supplies			58,658.64
Cash in hands of conductors and other employees			11,300.00
Accounts receivable		$17,193.55	
Less: Reserve for doubtful accounts		187.00	
			17,006 55
Taxes and insurance prepaid			6,443.18
			$4,012,742.06

THE HAMILTON STREET

A Subsidiary of the Hydro-Electric

Statement of Revenue and Expenditure—

EXPENDITURE

Transportation expenses	$388,473.41
Maintenance—way and structures	71,902.62
Maintenance—equipment	135,182.76
Power and motor fuel—including power purchased	196,146.77
General operating and management expenses	85,071.27
Taxes	59,647 06
Insurance—Fire and liability	18,612.69
Total operating expenses	$955,036.58
Net profit for year, before provision for renewal of road and equipment	175,807.57
	$1,130,844.15
Dividend paid to extent of interest payable on Commission's investment in the capital stock of the Railway Company	$153,877.98
Balance carried to balance sheet	21,929.59
	$175,807.57

RAILWAY COMPANY

Power Commission of Ontario

October 31, 1932

LIABILITIES

Capital stock:		
Issued—64,100 shares of a par value of $50 each	$3,205,000.00	
Capital surplus—Created by advances to the Company by Dominion Power & Transmission Company, Limited, prior to 31st December, 1929	488,846.85	
		$3,693,846.85
Profit and loss account		21,929.59
Hydro-Electric Power Commission of Ontario—		
Cash advances		273,212.37
Accounts payable and accrued charges		17,953 25
Reserve for outstanding tickets		5,800 00
		$4,012,742.06

RAILWAY COMPANY

Power Commission of Ontario

For the Year Ending October 31, 1932

REVENUE

Passenger	$1,116,240.44
Freight and express	3,225.21
Miscellaneous	11,378.50
Total Revenue	$1,130,844.15
	$1,130,844.15
Net profit for year, before provision for renewal of road and equipment	$175,807.57
	$175,807.57

APPROPRIATIONS, ADVANCES AND CAPITAL EXPENDITURES

For the Year Ending October 31, 1932

Appropriations made by the Legislature for the purposes of the Commission, Cash Advances by the Province to the Commission on account of such appropriations, and the Capital Expenditures made on each Undertaking and System by the Commission out of such Cash Advances in the Year Ending October 31, 1932

NIAGARA SYSTEM

Appropriations by Legislature:

For power developments	$2,400,000.00	
For transformer stations	1,950,000.00	
For transmission lines	2,700,000.00	
	$7,050,000.00	
Cash advances to the Commission out of such appropriations	$4,158,750.00	
Unexpended balance as at October 31, 1932, returnable to Province	245,780.30	
		$3,912,969.70

Capital expenditure by the Commission:

On Queenston-Chippawa development	$37,959.04	
On Chats Falls development	1,042,791.19	
On right-of-way	729.47	
On steel-tower lines	16,588.33	
On wood-pole lines	41,600.03	
On transformer stations	306,458.62	
On Eastern transmission lines	1,292,289.92	
On Eastern transformer stations	773,684.91	
On rural power districts	400,868.19	
		$3,912,969.70

GEORGIAN BAY SYSTEM

Appropriations by Legislature	$790,000.00	
Cash advances to the Commission out of such appropriations	$171,208.00	
Unexpended balance as at October 31, 1932, returnable to Province	45,627.68	
		$125,580.32

Capital expenditure by the Commission:

On power development	$2,167.47	
On transformer stations	18,671.67	
On rural power districts	93,265.93	
On local distribution systems	20,303.84	
	$134,408.91	
On transmission lines:		
Receipts in excess of expenditures	8,828.59	
		$125,580.32

EASTERN ONTARIO SYSTEM

Appropriations by Legislature	$670,000.00	
Cash advances to the Commission out of such appropriations	$268,400.00	
Unexpended balance as at October 31, 1932, returnable to the Province	29,707.36	
		$238,692.64
Capital expenditure by the Commission:		
On power developments	$15,002.74	
On transmission lines	19,546.93	
On transformer stations	52,919.09	
On rural power districts	142,634.13	
On local distribution systems	8,589.75	
		$238,692.64

THUNDER BAY SYSTEM

Appropriations by Legislature and by Treasury Board minute	$127,229.00	
Cash advances to the Commission out of such appropriations and Treasury Board minute	$84,279.00	
Unexpended balance as at October 31, 1932, returnable to the Province	9,903.88	
		$74,375.12
Capital expenditure by the Commission:		
On power developments	$49,038.21	
On transmission lines	387.92	
On transformer stations	4,546.50	
On rural power districts	20,402.49	
		74,375.12

NORTHERN DISTRICTS

Appropriations by Legislature and by special warrant	$489,000.00	
Cash advances to the Commission out of such appropriations and special warrant	$81,157.00	
Expended out of the Commission's working funds	46,273.39	
		$127,430.39
Capital expenditure by the Commission:		
On power development—Sudbury district	$18.28	
On transmission lines—Sudbury district	3,006.06	
On transformer stations—Sudbury district	319.29	
On transmission lines—Abitibi district	108,690.96	
On transformer stations—Abitibi district	753.70	
On transformer stations—Manitoulin district	108.35	
On rural power districts—Manitoulin district	15,011.26	
	$127,907.90	
On power development—Patricia district (Ear Falls): Receipts in excess of expenditures	477.51	
		$127,430.39

MISCELLANEOUS

Appropriations by Legislature	$1,510,000.00	
Cash advances to the Commission out of such appropriations	$96,526.00	
Unexpended balance as at October 31, 1932, returnable to Province	3,025.52	
		$93,500.48
Capital expenditure by the Commission:		
On administration building	$91,590.12	
On service buildings and equipment	1,910.36	
		$93,500.48

RURAL POWER DISTRICTS—SUMMARY

Statement showing the total Capital Expenditures to October 31, 1932, on the construction of Primary and Secondary Lines in Rural Power Districts; the portion thereof in course of construction; the investment in lines in operation; the amounts of the Grants (fifty per cent of both Primary and Secondary lines) payable to the Commission by the Province of Ontario; also the extents to which Grants stand authorized by Orders-in-Council under the Rural Hydro-Electric Distribution Act, and the amounts of such Grants paid over by the Province to the Commission under such authorizations up to October 31, 1932

System	Total capital expenditure	In course of construction	In operation	Grant (50% of primary and secondary lines) payable by the Province*	Extents to which grants stand authorized by orders-in-council	Grant paid by Province to Commission under such authorizations
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara system	12,365,849.45	74,311.70	12,291,537.75	6,141,459.59	7,103,820.31	6,141,459.59
Georgian Bay system	1,402,264.80	3,474.23	1,398,790.57	671,113.28	778,940.52	670,575.07
Thunder Bay system	42,269.69	....	42,269.69	21,134.84	43,558.50	21,134.84
Manitoulin district	30,022.52	30,022.52	....	15,011.26	27,273.00	15,011.26
Eastern Ontario system (including Nipissing, Ottawa and Madawaska districts)	3,123,820.54	7,013.62	3,116,806.92	1,544,589.32	1,749,100.89	1,541,178.36
Totals	16,964,227.00	114,822.07	16,849,404.93	8,393,308.29	9,702,693.22	8,389,359.12
Additional sum authorized by above Orders-in-Council and paid over to the Commission, but not allocated as between rural power districts						126,748.98
						8,516,108.10

NOTE:—

The cash paid over by the Province to the Commission up to October 31, 1932, on account of authorized grants to rural power districts—as above set out—amounts to	$8,516,108.10	
The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1932, amount in the aggregate to	8,393,308.29	
A balance of		$122,799.81
Which balance represents:		
(a) Grant funds in the hands of the Commission at October 31, 1932, not allocated but to apply against the construction of authorized rural power districts and extension to existing districts	$126,748.98	
Less:		
(b) Grants (or balance thereof) payable by the Province to the Commission in respect of certain rural power districts completed, or under construction	3,949.17	
		$122,799.81

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*Grants not made by Province in respect of a summer resort, a number of street-lighting systems and intangible values in certain rural power districts.

SECTION X

MUNICIPAL ACCOUNTS

And Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing system and operating with energy supplied by or through the Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and the financial status at the present time. Other tables give much useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the local electrical utilities in all municipalities which have contracted with the Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with a uniform accounting system designed by the Commission. During the year 1932, the uniform accounting system was installed in the following municipalities as each became ready for the service: Bath, Bowmanville, Cobourg, Trenton, Westport.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities, much of the bookkeeping for the electrical utilities is performed by representatives of the Municipal Audit department of the Commission, in order to insure the employment of proper classifications of revenues and expenditures, to save time in preparation of reports, to insure compliance with all the requirements of the standard accounting system, and to make certain that the accounts represent as truly as possible the actual operating results for the year.

The first financial statement in this section presents consolidated balance sheets for each year since 1912, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems.

It is worth noting that the total plant value has increased from $10,081,469.16 in 1913 to $89,887,049.72 in 1932, and the total assets from $11,907,826.86 to $132,376,063.97. The liabilities have not increased in the same proportion as the assets, rising from $10,468,351.79 to $52,685,316.86. The reason for this is that much of the cost of the increasing plant value has been financed out of reserves without increasing the capital liabilities of the various utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 43.4 per cent in 1932. The equities in the Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net shortage of $83,622.52 for 1932.

The five statements, "A" to "E," following the two consolidated reports show the financial status of each municipal system and the results of operations, and also give information respecting revenue, number of consumers and consumption; cost of power to municipalities; power and lighting rates charged to consumers, etc. In the statements "A" and "B," the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

Statement "A" shows balance sheets for each municipality with the plant values subdivided into the general subdivisions specified in the standard accounting system, and there are also shown the other items which make up the total assets. It is to be noted that among the assets there are items entitled "equity in H.E.P.C. systems." These items represent the amount of accumulated sinking fund paid by the various municipalities through the medium of "power cost" toward the ultimate retirement of the capital invested by the Hydro-Electric Power Commission of Ontario on behalf of the partner municipalities. The total accumulation to the end of 1932 is shown on the consolidated balance sheet to be $23,066,129.81.

During the year rebates were made in many municipalities in respect of surpluses standing to the credit of municipal street lighting and waterworks services, and to individual consumers, of amounts varying from one-sixth to one-twelfth of the previous year's revenue. These rebates amounted in round figures to approximately $243,000.00 and affected the cash balances and surpluses in the current balance sheets accordingly.

In each case the balance sheet is complete and final, including either in "accounts receivable," or "accounts payable," the adjustments with the Hydro-Electric Power Commission of the differences between the estimated and the actual costs of power to the municipality.

The liabilities of each local system are set out under their general subdivisions,—debenture balance, accounts payable, bank overdraft, and other liabilities; this last account including local debentures issued by municipalities to finance ornamental street-lighting systems as local improvements.

The reserves for depreciation, and the acquired equity in the Hydro-Electric Power Commission's systems, are also listed separately and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The "depreciation reserve" now amounts to 18.81 per cent of the total depreciable plant, while the "depreciation reserve" and "surplus" combined have already reached the sum of $54,722,308.66, approximating 60.88 per cent of the total plant cost.

Statement "B" shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility, and the number of consumers of each class are also shown.

The item "power purchased" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.

Of the 280 municipal electric utilities included in this statement, 174 received from consumers revenue sufficient to meet all operating expenses and fixed charges and to yield an aggregate operating surplus of $568,220.27 for the year; 62 were able to defray, out of revenue, all operating expenses and fixed charges except the full provision on account of depreciation, the revenue being insufficient to take care of the standard reserves in this respect provided during the year by $521,921.15; in the case of 44 utilities the revenue was short of meeting operating expenses and fixed charges other than depreciation by $60,715.64.

Statement "C" shows the installation of street lights in each municipality together with the rates set by this Commission, the revenue for 1932, and the cost per capita in each municipality.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.* For further reference to this informative statement, consult the special introduction to it on page 380.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1932, for domestic service, for commercial light service and for power service.

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*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

YEAR	1913	1914	1915
Number of municipalities included	45	69	99
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	626,707.34	791,732.20	873,838.18
Substation equipment	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground	644,514.24	807,153.53	928,420.77
Line transformers	615,546.20	787,613.52	981,754.70
Meters	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant	1,401,175.28	420,108.33	461,651.60
Old plant	341,277.00	619,513.12	1,184,372.86
Total plant	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance	450,887.97	422,350.12	284,653.96
Securities and investments	....	....	....
Accounts receivable	344,487.95	561,873.08	602,920.69
Inventories	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems	....	....	....
Other assets	58,959.93	123,410.97	326,801.11
Total assets	11,907,826.86	15,249,203.36	17,683,264.07
LIABILITIES			
Debenture balance	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft	160,919.16	228,622.50	292,106.44
Other liabilities	42,412.81	113,838.66	37,388.31
Total liabilities	10,468,351.79	12,702,689.81	14,201,343.79
RESERVES			
For equity in H-E.P.C. systems	....	....	....
For depreciation	478,145.88	850,618.07	1,337,739.73
Other reserves	....	....	....
Total reserves	478,145.88	850,618.07	1,337,739.73
SURPLUS			
Debentures paid	202,751.26	320,129.10	394,466.22
Local sinking fund	431,747.27	625,217.03	868,983.78
Operating surplus	326,830.66	750,549.35	880,730.55
Total surplus	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets	88.0	88.3	80.3

NOTE.—In computing the percentage of net debt to total assets the sinking fund on local debentures and equity in H-E.P.C. systems are excluded from assets, and total liabilities are reduced by amount of local sinking fund.

BALANCE SHEET

1916	1917	1918	1919	1920
128	143	166	191	195
$ c.	$ c.	$ c.	$ c.	$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12
....	....	....	627,076.53	341,855.88
695,152.23	1,285,097.33	1,124,018.44	1,921,166.69	2,022,538.88
764,504.59	1,261,398.36	972,996.96	1,032,569.75	1,400,671.89
1,166,017.73	1,337,578.96	1,663,298.05	1,925,455.77	2,244,004.34
....	....	....	369,071.89	577,584.06
342,215.87	125,240.05	444,787.63	86,216.05	25,447.07
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22
....	....	....	373,871.89	577,584.06
1,843,804.68	2,463,723.83	3,133,550.17	3,750,162.28	4,788,645.03
....	....	....	....	....
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
78.4	75.5	71.0	67.9	65.4

CONSOLIDATED

YEAR	1921	1922	1923
Number of municipalities included	215	226	235
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	3,230,985.63	3,334,522.68	4,488,054.93
Substation equipment	5,403,689.90	5,046,857.98	6,015,919.75
Distribution system—overhead	8,397,361.48	11,165,330.24	13,135,581.76
Distribution system—underground	1,401,135.97	1,598,053.02	1,959,120.41
Line transformers	3,077,649.83	3,618,684.73	4,211,655.89
Meters	3,552,076.79	4,033,689.52	4,548,933.73
Street lighting equipment—regular	1,335,997.13	1,419,016.05	1,061,473.85
Street lighting equipment—ornamental	610,586.70	666,084.50	708,431.22
Miscellaneous construction expenses	3,030,134.16	3,261,495.74	3,681,274.88
Steam or hydraulic plant	704,848.46	565,158.54	566,619.86
Old plant	912,388.55	7,997,947.87	8,051,496.28
Total plant	31,656,854.60	42,706,840.87	48,428,562.56
Bank and cash balance	900,842.34	1,164,336.24	1,276,140.06
Securities and investments	477,678.69	443,938.18	1,153,424.47
Accounts receivable	2,155,788.62	3,874,317.14	3,198,769.34
Inventories	1,504,596.28	1,738,795.96	1,819,711.62
Sinking fund on local debentures	2,541,718.35	3,416,231.45	3,896,261.28
Equity in H-E.P.C. systems	795,570.51	1,543,434.12	2,929,603.94
Other assets	78,929.84	238,940.13	190,071.63
Total assets	40,111,979.23	55,126,834.09	62,892,544.90
LIABILITIES			
Debenture balance	21,619,220.99	30,454,186.12	33,056,501.29
Accounts payable	1,887,567.93	3,699,292.52	3,708,781.76
Bank overdraft	989,099.98	456,706.69	680,714.59
Other liabilities	938,368.84	586,203.02	1,517,828.47
Total liabilities	25,434,257.74	35,196,388.35	38,963,826.11
RESERVES			
For equity in H-E.P.C. systems	800,249.05	1,543,434.12	2,929,603.94
For depreciation	5,491,858.93	6,512,813.92	7,328,858.69
Other reserves	....	....	....
Total reserves	6,292,107.98	8,056,248.04	10,258,462.63
SURPLUS			
Debentures paid	1,860,079.53	3,104,591.15	2,852,038.38
Local sinking fund	2,541,718.35	3,416,231.45	3,896,261.28
Operating surplus	3,983,815.63	5,353,375.10	6,921,956.50
Total surplus	8,385,613.51	11,874,197.70	13,670,256.16
Total liabilities, reserves and surplus	40,111,979.23	55,126,834.09	62,892,544.90
Percentage of net debt to total assets	64.7	63.3	62.6

BALANCE SHEET—Continued

1924	1925	1926	1927	1928	1929
248	247	251	252	256	260
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,561,648.92	5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76	7,469,451.46
6,800,238.00	8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21	18,102,792.13
14,182,190.33	16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68	18,108,016.82
2,873,446.13	3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16	4,823,369.60
4,456,669.02	5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64	7,312,742.17
5,149,629.71	5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90	7,405,478.91
1,134,491.77	1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24	1,594,183.25
728,298.08	893,186.48	1,103,660.23	1,184,035.82	1,203,706.65	1,458,349.64
4,168,262.21	4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92	3,483,487.78
4,196,803.45	568,912.49	628,909.57	607,320.00	619,880.93	489,097.57
5,587,420.31	4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26	5,093,378.75
53,839,097.93	56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35	75,340,348.08
1,748,912.34	1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07	858,733.68
1,329,622.58	1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51	2,001,088.81
3,898,751.89	3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13	4,683,201.97
1,745,628.16	1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10	1,365,033.58
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,753,613.88
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
250,292.77	137,280.05	33,151.81	31,942.45	153,275.04	152,260.86
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26
38,005,162.50	37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78	42,930,127.74
3,117,224.08	3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25	3,132,145.03
162,100.71	226,147.82	163,725.53	252,362.52	253,143.81	412,056.69
1,780,564.27	1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23	1,621,378.17
43,065,051.56	42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07	48,095,707.63
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
8,097,834.68	8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68	11,911,154.49
....	1,157,147.20	947,970.23	1,002,916.69	1,117,257.63	1,437,371.26
13,518,402.26	17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87	28,103,391.15
3,530,610.35	4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61	9,194,253.59
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,962,121.20
8,118,809.08	8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21	13,553,672.69
16,170,142.49	17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51	30,710,047.48
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26
61.4	57.2	55.5	54.2	50.8	47.8

CONSOLIDATED BALANCE SHEET—Concluded

YEAR	1930	1931	1932
Number of municipalities included	267	275	280
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	7,936,974.31	8,407,664.48	9,503,743.78
Substation equipment	19,485,056.28	21,013,956.74	22,288,781.68
Distribution system—overhead	19,220,326.48	19,918,355.76	20,866,767.32
Distribution system—underground	4,932,189.05	5,361,627.24	5,820,056.75
Line transformers	7,953,090.23	8,649,875.07	9,392,662.62
Meters	7,840,948.07	8,106,202.88	8,403,251.67
Street lighting equipment—regular	1,780,785.67	2,205,613.18	2,257,618.20
Street lighting equipment—ornamental	1,520,891.01	1,456,742.91	1,545,354.93
Miscellaneous construction expenses	3,996,747.77	3,827,132.05	4,120,926.11
Steam or hydraulic plant	139,587.28	458,374.05	498,231.69
Old plant	5,322,690.14	7,146,437.96	4,989,654.97
Other plants not distributed			200,000.00
Total plant	80.129,286.29	86,551,982.32	89,887,049.72
Bank and cash balance	2,722,250.12	2,738,319.67	3,185,442.00
Securities and investments	1,909,439.11	1,999,846.42	2,059,325.10
Accounts receivable	4,481,006.92	3,957,972.78	3,683,059.42
Inventories	1,242,994.51	1,276,531.01	1,232,209.52
Sinking fund on local debentures	8,396,255.47	8,735,050.84	9,099,210.61
Equity in H-E.P.C. systems	17,346,372.44	20,103,275.76	23,066,129.81
Other assets	173,030.05	174,879.28	163,637.79
Total assets	116,400,634.91	125,537,858.08	132,376,063.97
LIABILITIES			
Debenture balance	45,091,808.06	44,594,400.03	45,133,305.97
Accounts payable	3,001,186.21	5,382,306.13	3,512,724.58
Bank overdraft	405,663.14	312,575.54	298,910.20
Other liabilities	1,642,771.59	1,909,986.13	3,740,376.11
Total liabilities	50,141,429.00	52,199,267.83	52,685,316.86
RESERVES			
For equity in H-E.P.C. systems	17,346,372.44	20,103,275.76	23,066,129.81
For depreciation	12,885,387.51	13,748,049.68	14,902,177.02
Other reserves	1,574,655.74	1,693,129.83	1,902,308.64
Total reserves	31,806,415.69	35,544,455 27	39,870,615.47
SURPLUS			
Debentures paid	10,728,279.15	13,150,040.37	15,244,778.28
Local sinking fund	8,396,255.47	8,735,050.84	9,099,210.61
Operating surplus	15,328,255.60	15,909,043.77	15,476,142.75
Total surplus	34 452,790.22	37,794,134.98	39,820,131.64
Total liabilities, reserves and surplus	116,400,634.91	125,537,858.08	132,376,063.97
Percentage of net debt to total assets	46.0	44.1	43.4

NOTE.—In computing the percentage of net debt to total assets the sinking fund on local debentures and equity in H-E.P.C. systems are excluded from assets, and total liabilities are reduced by the amount of local sinking fund.

CONSOLIDATED OPERATING REPORT

YEAR	1912	1913	1914	1915
Mumber of municipalities included	28	45	69	99
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	....	572,154.38	789,130.81	944,271.08
Commercial light service	....	525,438.16	673,803.92	720,209.26
Commercial power service	....	905,378.17	1,214,829.31	1,501,797.78
Municipal power	....	....	....	....
Street lighting	....	560,925.56	698,409.71	835,970.87
Rural service	....	....	....	....
Miscellaneous	....	53,543.24	57,482.41	68,046.29
Total earnings	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
EXPENSES				
Power purchased	....	789,632.87	1,045,752.65	1,484,666.00
Substation operation	....	78,394.81	97,658.90	107,607.31
Substation maintenance	....	18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance	....	104,114.51	130,998.65	154,409.71
Line transformer maintenance	....	8,547.61	11,764.32	11,508.92
Meter maintenance	....	5,222.19	9,536.07	12,899.14
Consumers' premises expenses	....	53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance	....	84,903.76	113,047.80	136,983.38
Promotion of business	....	72,303.51	86,683.02	74,402.55
Billing and collecting	....	77,351.76	103,560.71	131,541.27
General office, salaries and expenses	....	154,932.69	230,899.75	236,777.86
Undistributed expense	....	65,423.64	89,350.91	129,209.15
Interest	....	528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures	....	*	*	*
Total expenses	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation charge	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

CONSOLIDATED

YEAR	1916	1917	1918
Number of municipalities included	128	143	166
EARNINGS	$ c.	$ c.	$ c.
Domestic service	1,172,878.96	1,417,460.31	1,632,272.12
Commercial light service	812,130.78	899,023.72	968,399.42
Commercial power service	1,921,152.31	2,665,280.65	3,417,248.37
Municipal power	....	....	....
Street lighting	930,057.48	967,495.10	902,875.55
Rural service	....	....	....
Miscellaneous	147,381.50	120,805.39	161,243.70
Total earnings	4,983,601.03	6,070,065.17	7,082,039.16
EXPENSES			
Power purchased	1,959,446.83	2,573,879.37	2,807,769.33
Substation operation	153,761.08	203,091.20	238,257.34
Substation maintenance	46,131.53	42,129.04	60,805.92
Distribution system, operation and maintenance	154,247.17	169,326.24	223,347.81
Line transformer maintenance	14,528.17	25,328.95	30,488.83
Meter maintenance	24,218.48	44,461.55	63,155.56
Consumers' premises expenses	52,602.01	61,765.14	65,149.59
Street lighting, operation and maintenance	145,471.50	157,857.73	196,157.18
Promotion of business	79,324.85	73,516.37	64,962.78
Billing and collecting	154,508.58	188,083.84	208,660.76
General office, salaries and expenses	306,709.35	349,932.05	421,680.15
Undistributed expense	97,333.97	102,938.80	117,474.07
Interest	951,781.99	1,085,180.80	1,238,425.53
Sinking fund and principal payments on debentures	*	*	*
Total expenses	4,140,065.51	5,077,491.08	5,736,334.85
Surplus	843,535.52	992,574.09	1,345,704.31
Depreciation charge	486,141.80	607,296.29	718,162.30
Surplus less depreciation	357,393.72	385,277.80	627,542.01

*Debenture payments included in "Interest."

OPERATING REPORT—Continued

1919	1920	1921	1922	1923	1924
181	186	205	214	224	241
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,991,632.31	2,546,345.30	3,149,080.03	3,786,608.23	5,166,452.24	5,993,231.07
1,175,143.56	1,512,854.63	1,851,501.76	2,158,306.34	3,260,772.50	3,566,227.22
3,443,107.13	3,752,188.22	3,895,437.46	4,383,912.97	5,927,666.37	6,222,865.88
....	532,279.09	654,531.01	973,263.38	1,161,598.60	1,352,966.47
988,900.95	1,005,535.11	1,060,357.77	1,160,446.81	1,269,604.48	1,356,668.97
....	168,919.95	145,566.57	105,877.09	116,639.06	75,100.24
228,270.65	189,778.63	225,467.70	187,689.39	316,311.21	231,663.58
7,827,054.60	9,707,900.93	10,981,942.30	12,756,104.21	17,219,044.46	18,798,723.43
3,284,490.68	4,216,667.87	4,876,650.31	6,636,853.37	8,699,026.67	9,669,789.40
217,638.89	285,407.35	314,838.35	315,443.70	474,442.13	430,056.09
81,853.63	102,050.81	104,798.01	100,763.67	133,815.53	202,050.04
286,310.76	344,551.57	487,918.33	519,252.16	636,477.41	648,700.62
42,509.12	46,323.09	65,088.46	52,932.26	75,920.10	82,936.50
78,726.64	123,701.18	116,722.97	107,806.88	139,104.81	141,231.23
84,301.24	116,283.52	134,854.92	143,388.88	218,682.02	237,316.20
215,963.86	236,930.79	297,481.52	297,363.86	299,579.08	269,973.30
74,789.22	78,294.85	101,804.46	129,932.63	184,371.00	202,060.74
236,504.75	295,942.88	321,685.71	338,153.50	444,306.92	490,273.30
452,131.22	559,695.29	656,268.11	605,852.50	937,463.47	889,907.66
190,690.09	256,400.33	308,874.42	385,895.03	359,206.91	494,078.50
1,285,571.51	1,431,807.16	998,611.47	1,074,657.44	1,615,205.16	1,779,991.26
*	*	532,183.96	635,469.90	990,907.14	1,122,798.87
6,531,481.61	8,094,056.69	9,317,781.00	11,343,765.78	15,208,508.35	16,661,163.71
1,295,572.99	1,613,844.24	1,664,161.30	1,412,338.43	2,010,536.11	2,137,559.72
814,219.37	902,028.75	1,044,434.85	715,814.24	916,782.75	973,649.62
481,353.62	711,815.49	619,726.45	696,524.19	1,093,753.36	1,163,910.10

CONSOLIDATED

YEAR	1925	1926	1927
Number of municipalities included	242	248	251
EARNINGS	$ c.	$ c.	$ c.
Domestic service	6,439,159.86	7,372,602.62	8,189,866.89
Commercial light service	3,866,292.79	4,187,899.19	4,626,815.51
Commercial power service	6,568,854.77	6,789,217.54	7,342,173.20
Municipal power	1,923,093.09	1,922,512.34	1,913,502.88
Street lighting	1,415,382.22	1,457,686.21	1,489,242.37
Rural service	37,975.18	37,810.73	13,765.72
Miscellaneous	286,451.08	471,134.15	581,913.04
Total earnings	20,537,208.99	22,238,862.78	24,157,279.61
EXPENSES			
Power purchased	11,063,123.34	12,185,669.10	13,505,583.77
Substation operation	417,921.71	450,416.84	430,211.76
Substation maintenance	207,497.63	286,520.37	275,148.86
Distribution system, operation and maintenance	686,344.54	795,514.70	758,747.10
Line transformer maintenance	75,473.28	74,876.11	94,706.38
Meter maintenance	156,909.55	189,603.70	214,813.87
Consumers' premises expenses	252,808.47	275,020.62	285,352.68
Street lighting, operation and maintenance	275,316.60	295,869.37	318,395.79
Promotion of business	217,102.24	234,696.74	220,687 60
Billing and collecting	521,134.01	557,271.54	605,627.58
General office, salaries and expenses	891,640.29	786,742.60	824,868.90
Undistributed expense	520,584.58	460,288.30	531,003.80
Truck operation and maintenance	....	....	....
Interest	1,889,810.95	1,985,233.73	2,063,698.00
Sinking fund and principal payments on debentures	1,294,027.29	1,347,511.92	1,505,626.31
Total expenses	18,469,694.48	19,925,235.64	21,634,472.40
Surplus	2,067,514.51	2,313,627.14	2,522,807.21
Depreciation charge	1,068,880.42	1,146,273.05	1,249,711.65
Surplus less depreciation	998,634.09	1,167,354.09	1,273,095.56

OPERATING REPORT—Concluded

1928	1929	1930	1931	1932
255	259	267	275	280
$ c.	$ c.	$ c.	$ c.	$ c.
8,925,050.56	9,873,681.57	10,542,903.89	10,972,952 10	11,447,307.85
5,182,723.32	5,697,766.06	5,961,383.23	6,230,475.89	6,243,794.01
8,298,669.44	9,376,158.74	9,340,653.28	9,456,224.97	9,356,693.88
1,921,300.97	2,086,444.24	2,111,482.38	1,967,118.54	1,859,585.35
1,534,476.98	1,598,262.43	1,674,528.03	1,746,855.24	1,783,972.46
48,451.90*	51,590.54*	28,954.60*	29,446.38*	11,069.27*
465,791.92	522,780.95	581,914.78	511,139.80	513,787.30
26,376,465.09	29,206,684.53	30,241,820.19	30,914,212.92	31,216,210.12
14,688,570.08	16,379,162.88	17,323,077.97	18,085,166.51	19,109,036.25
420,512.48	461,270.27	479,502.48	487,484.17	503,351.82
247,647.88	274,275.56	320,716.48	303,536.11	300,186.15
736,159.85	907,817.04	991,972.86	1,015,256.14	969,750.61
88,676.18	93,608.14	96,746.35	93,463.24	95,485.55
218,530.96	242,126.27	278,379.43	284,633.88	300,104.85
291,333.03	314,495.03	317,902.45	363,078.47	368,208.73
329,597.16	359,373.40	372,211.17	368,119.49	360,709.76
249,842.01	250,844.28	249,070.05	255,956.03	266,760.84
638,797.02	695,729.42	745,159.02	792,983.99	818,721.33
844,578.55	904,025.64	907,226.89	923,676.84	960,558.88
542,755.34	502,206.06	523,862.96	520,893.10	436,692.96
....	110,630.62	112,029.82	107,918.93	112,059.90
2,111,049.49	2,152,695.49	2,220,214.45	2,328,094.32	2,532,940.93
1,601,711.32	1,687,201.64	1,828,061.62	2,061,718.79	2,244,367.86
23,009,761.35	25,335,461.74	26,766,134.00	27,991,980.01	29,378,936.42
3,366,703.74	3,871,222.79	3,475,686.19	2,922,232.91	1,837,273.70
1,350,252.16	1,469,846.83	1,574,991.68	1,775,330.69	1,920,896.22
2,016,451.58	2,401,375.96	1,900,694.51	1,146,902.22	83,622.52 (loss)

*Profits from the sale of merchandise. Rural service now given in "Rural Power Districts." Consult Section IX.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt	Ailsa Craig	Alvinston	Amherstburg
Population	1,930	P.V.	498	677	3,112
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,545.45	....	....	133.56	....
Substation equipment	1,847.39	....	....	....	932.00
Distribution system—overhead	23,077.63	8,481.56	8,169.69	14,008.12	31,745.82
Distribution system—underground	....	....	....	....	....
Line transformers	11,260.66	3,678.83	1,946.95	3,024.48	15,548.45
Meters	10,353.57	2,416.09	2,571.67	2,972.37	15,276.72
Street light equipment, regular	1,862.15	755.30	404.09	1,090.62	812.44
Street light equipment, ornamental	....	....	....	....	5,598.72
Miscellaneous construction expense	2,467.85	....	492.36	791.52	1,686.45
Steam or hydraulic plant	....	....	....	....	....
Old plant	3,481.50	....	....	773.85	....
Other plants not distributed	....	....	....	....	....
Total plant	55,896.20	15,331.78	13,584.76	22,794.52	71,600.60
Bank and cash balance	3,989.50	2,454.10	1,398.87	794.55	10,616.19
Securities and investments	1,500.00	1,000.00	5,000.00	2,000.00	1,898.30
Accounts receivable	426.91	472.70	1,385.37	289.29	5,450.58
Inventories	671.64	....	....	....	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	30,489.17	4,431.65	8,769.61	8,603.59	24,324.08
Other assets	....	....	....	....	3,410.25
Total assets	92,973.42	23,690.23	30,138.61	34,481.95	117,300.00
Deficit	....	....	....	2,935.91	....
Total	92,973.42	23,690.23	30,138.61	37,417.86	117,300.00
LIABILITIES					
Debenture balance	649.58	4,000.13	....	13,498.76	26,481.06
Accounts payable	20.80	45.04	417.20	981.42	2,155.33
Bank overdraft	....	....	....	....	....
Other liabilities	418.39	....	60.00	....	7,319.27
Total liabilities	1,088.77	4,045.17	477.20	14,480.18	35,955.66
RESERVES					
For equity in H-E.P.C. systems	30,489.17	4,431.65	8,769.61	8,603.59	24,324.08
For depreciation	8,766.35	1,195.09	4,723.27	4,303.61	13,364.69
Other reserves	....	....	....	....	....
Total reserves	39,255.52	5,626.74	13,492.88	12,907.20	37,688.77
SURPLUS					
Debentures paid	13,850.42	4,072.52	6,883.38	10,030.48	5,572.54
Local sinking fund	....	....	....	....	....
Operating surplus	38,778.71	9,945.80	9,285.15	....	38,083.03
Total surplus	52,629.13	14,018.32	16,168.53	10,030.48	43,655.57
Total liabilities, reserves and surplus	92,973.42	23,690.23	30,138.61	37,417.86	117,300.00
Percentage of net debt to total assets	1.0	21.0	2.2	55.9	32.6

"A"

Hydro Municipalities as at December 31, 1932

Ancaster Twp.	Arkona 397	Aylmer 1,998	Ayr 806	Baden P.V.	Beachville P.V.	Belle River 734	Blenheim 1,613
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	9,019.23	125.00	660.64	176.13	....	....
....	....	....	....	....	....	....	909.64
15,541.14	9,431.42	20,344.47	12,354.19	7,377.08	14,440.79	14,815.14	25,769.46
....	....	....	....	....	....	....	....
10,006.29	1,976.44	10,356.91	3,850.56	4,048.22	3,550.21	3,651.15	8,091.14
4,202.68	1,680.67	9,449.72	3,554.33	2,841.20	3,085.10	3,479.53	10,050.01
1,269.78	671.60	1,543.38	628.42	447.45	410.35	924.29	3,262.40
....	....	....	....	....	....	....	1,482.97
294.93	228.84	1,144.82	941.79	....	602.04	962.78	1,248.26
....	....	....	....	....	....	....	....
....	1,030.30	6,719.17	4,002.53	....			....
....	....	....	....	....	....	....	....
31,314.82	15,019.27	58,577.70	25,456.82	15,374.59	22,264.62	23,832.89	50,813.88
....	....	5,332.06	252.44	2,429.15	2,321.60	3,816.48	1,789.45
....	....	12,000.00	....	....	7,000.00	3,000.00	....
1,688.13	215.32	2,532.70	947.29	656.77	1,475.88	1,974.58	403.19
....	....	54.61	....	....	....	....	....
....	....	....	....	....	....	....	....
7,212.25	2,479.38	20,336.07	7,296.42	17,660.88	21,529.77	4,555.41	19,103.52
....	146.68	....	517.29	....	....	19.29	....
40,215.20	17,860.65	98,833.14	34,470.26	36,121.39	54,591.87	37,198.65	72,110.04
....	1,642.64	....	....	....	....	....	....
40,215.20	19,503.29	98,833.14	34,470.26	36,121.39	54,591.87	37,198.65	72,110.04
8,212.58	10,299.30	21,489.20	7,298.12	2,311.87	2,509.81	5,844.73	9,004.07
774.91	2,727.45	184.26	658.26	....	3,876.32	....	496.16
1,263.44	49.37	....	....	....	....	....	....
149.70	....	80.00	5.00	....	....	30.00	1,712.97
10,400.63	13,076.12	21,753.46	7,961.38	2,311.87	6,386.13	5,874.73	11,213.20
7,212.25	2,479.38	20,336.07	7,296.42	17,660.88	21,529.77	4,555.41	19,103.52
5,480.26	1,134.26	10,179.14	3,161.68	1,531.19	4,157.88	4,050.02	10,735.67
....	....	....	....	....	....	5,000.00	....
12,692.51	3,613.64	30,515.21	10,458.10	19,192.07	25,687.65	13,605.43	29,839.19
2,577.00	2,813.53	17,212.72	10,205.26	2,688.13	2,843.19	2,655.27	4,995.93
....	....	....	....	....	....	....	....
14,545.06	....	29,351.75	5,845.52	11,929.32	19,674.90	15,063.22	26,061.72
17,122.06	2,813.53	46,564.47	16,050.78	14,617.45	22,518.09	17,718.49	31,057.65
40,215.20	19,503.29	98,833.14	34,470.26	36,121.39	54,591.87	37,198.65	72,110.04
31.5	85.0	27.7	29.3	12.5	19	18.0	18.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Blyth	Bolton	Bothwell	Brampton	Brantford
Population	610	582	653	5,012	30,153
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	....	....	....	5,081.32	88,256.71
Substation equipment	....	....	....	24,742.53	164,611.45
Distribution system—overhead	11,192.95	9,931.57	6,009.41	49,247.36	240,516.38
Distribution system—underground	....	....	....	....	6,000.00
Line transformers	2,441.35	4,296.34	2,575.37	26,186.18	111,620.73
Meters	1,945.31	2,926.32	2,794.96	25,565.03	114,553.44
Street light equipment, regular	1,284.19	817.19	203.51	2,645.94	24,127.20
Street light equipment, ornamental	....	....	4,431.19	....	37,500.00
Miscellaneous construction expense	289.31	1,043.38	515.26	18,377.87	32,319.27
Steam or hydraulic plant	....	....	....	....	....
Old plant	2,332.68	1.554.60	....	....	....
Other plants not distributed	....	....	....	....	200,000.00
Total plant	19,485.79	20,569.40	16,529.70	151,846.23	1,019,505.18
Bank and cash balance	160.03	87.28	3,137.51	2,830.18	....
Securities and investments	....	....	11,000.00	5,990.65	....
Accounts receivable	957.89	749.20	120.97	4,955.36	58,129.61
Inventories	....	26.20	....	168.87	12,841.98
Sinking fund on local debentures	....	....	....	....	191,046.88
Equity in H-E.P.C. systems	4,300.59	9,735.02	10,281.55	83,343.96	422,457.46
Other assets	23.30	27.31	....	....	11,981.31
Total assets	24,927.60	31,194.41	41,069.73	249,135.25	1,715,962.42
Deficit	....	....	....	....	....
Total	24,927.60	31,194.41	41,069.73	249,135.25	1,715,962.42
LIABILITIES					
Debenture balance	9,992.92	6,549.80	3,215.68	15,850.87	*571,750.00
Accounts payable	155.72	107.50	1,758.82	4,253.26	9,731.18
Bank overdraft	....	....	....	....	9,357.20
Other liabilities	35.00	....	15.00	....	50,914.56
Total liabilities	10,183.64	6,657.30	4,989.50	20,104.13	641,752.94
RESERVES					
For equity in H-E.P.C. systems	4,300.59	9,735.02	10,281.55	83,343.96	422,457.46
For depreciation	2,363.50	4,590.95	5,267.57	39,341.19	197,310.44
Other reserves	....	....	....	....	1,000.00
Total reserves	6,664.09	14,325.97	15,549.12	122,685.15	620,767.90
SURPLUS					
Debentures paid	6,276.11	5,950.20	2,318.51	53,199.77	158,250.00
Local sinking fund	....	....	....	....	191,046.88
Operating surplus	1,803.76	4,260.94	18,212.60	53,146.20	104,144.70
Total surplus	8,079.87	10,211.14	20,531.11	106,345.97	453,441.58
Total liabilities, reserves and surplus	24,927.60	31,194.41	41,069.73	249,135.25	1,715,962.42
Percentage of net debt to total assets	49.4	31.0	14.6	12.1	37.9

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*Includes a balance of $178,000.00 on purchase agreement.

"A"—Continued

Hydro Municipalities as at December 31, 1932

Brantford Twp.	Bridgeport P.V.	Bridgen P.V.	Brussels 726	Burford P.V.	Burgess-ville P.V.	Caledonia 1,400	Campbell-ville P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	101.03	....	202.00	....	....	....
1,192.71	....	....	....	....	....	....	....
52,751.86	9,279.74	7,065.39	13,536.99	9,240.38	3,473.03	16,399.94	2,954.27
....	....	....	....	....	....	....	....
17,252.81	3,729.46	2,037.61	2,395.35	2,933.19	1,238.44	5,612.06	718.23
11,924.29	2,217.15	2,238.85	3,687.43	3,280.33	966.40	6,058.46	534.39
4,246.66	1,586.99	464.90	1,574.74	425.14	261.02	1,582.94	258.56
....	....	....	....	....	....	....	....
2,911.36	563.56	858.11	1,572.29	725.40	457.22	707.63	45.82
....	....	....	....	....	....	....	....
....	....	1,381.00	2,827.50	....	....		....
....	....	....	....	....	....	....	....
90,279.69	17,376.90	14,146.89	25,594.30	16,806.44	6,396.11	30,361.03	4,511.27
5,502.46	....	1.73	472.23	1,042.60	1,708.10	1,087.91	590.96
....	....	....	....	4,000.00	....	2,000.00	1,000.00
566.43	760.42	1,092.63	1,189.47	621.27	444.30	459.39	180.90
....	....	....	....	24.48	....	....	....
3,012.05	....	....	....	....	....	....	....
13,452.30	2,140.43	6,369.01	6,152.76	6,884.05	2,885.11	11,031.56	731.40
....	....	....	30.41	....	....	....	....
112,812.93	20,277.75	21,610.26	33,439.17	29,378.84	11,433.62	44,939.89	7,014.53
....	....	....	....	....	....	....	....
112,812.93	20,277.75	21,610.26	33,439.17	29,378.84	11,433.62	44,939.89	7,014.53
26,620.18	11,914.39	1,173.08	14,220.66	746.02	814.59	2,020.88	3,850.64
1,431.64	1,228.99	510.41	12.01	....	688.85	20.77	....
....	7.70	....	....	....	....	....	....
1,323.30	29.98	....	....	19.00	....	....	....
29,375.12	13,181.06	1,683.49	14,232.67	765.02	1,503.44	2,041.65	3,850.64
13,452.30	2,140.43	6,369.01	6,152.76	6,884.05	2,885.11	11,031.56	731.40
18,400.46	3,971.84	2,746.79	3,455.41	3,580.20	2,033.83	4,038.06	564.54
....	....	....	....	....	....	....	....
31,852.76	6,112.27	9,115.80	9,608.17	10,464.25	4,918.94	15,069.62	1,295.94
30,505.48	453.64	6,826.92	6,779.34	8,253.98	2,685.41	2,603.12	1,597.13
3,012.05	....	....	....	....	....	....	....
18,067.52	530.78	3,984.05	2,818.99	9,895.59	2,325.83	25,225.50	270.82
51,585.05	984.42	10,810.97	9,598.33	18,149.57	5,011.24	27,828.62	1,867.95
112,812.93	20,277.75	21,610.26	33,439.17	29,378.84	11,433.62	44,939.89	7,014.53
30.5	72.7	11.0	52.2	3.4	17.5	6.0	61.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Cayuga	Chatham	Chippawa	Clifford	Clinton
Population	660	16,434	1,243	515	1,873
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		46,055.45	631.50		8,760.82
Substation equipment		116,470.33			7,544.43
Distribution system—overhead	14,406.36	159,739.46	18,854.67	7,321.06	21,805.97
Distribution system—underground		79,554.42			
Line transformers	3,090.29	86,692.91	5,570.56	1,005.30	7,516.75
Meters	2,592.93	67,929.84	4,702.80	2,155.40	9,039.79
Street light equipment, regular	942.83	17,924.96	1,869.16	670.59	1,297.67
Street light equipment, ornamental		35,426.10			
Miscellaneous construction expense	372.67	33,005.10	1,022.19	37.44	3,857.83
Steam or hydraulic plant					
Old plant		42,752.31			10,658.09
Other plants not distributed					
Total plant	21,405.08	685,550.88	32,650.88	11,189.79	70,481.35
Bank and cash balance	1,795.59	5,031.60	735.48	282.43	1,042.39
Securities and investments					3,000.00
Accounts receivable	970.39	23,646.29	1,161.58	330.95	1,446.91
Inventories	152.28	4,774.28		23.66	2,276.41
Sinking fund on local debentures					30,131.03
Equity in H-E.P.C. systems	3,963.76	201,478.05	8,793.10	2,953.16	23,720.24
Other assets		3,113.39		17.54	
Total assets	28,287.10	923,594.49	43,341.04	14,797.53	132,098.33
Deficit					
Total	28,287.10	923,594.49	43,341.04	14,797.53	132,098.33
LIABILITIES					
Debenture balance	14,423.84	259,643.82	7,169.91	6,926.31	44,500.00
Accounts payable	699.02	22,696.32		87.87	86.57
Bank overdraft					
Other liabilities		38,539.49			62.22
Total liabilities	15,122.86	320,879.63	7,169.91	7,014.18	44,648.79
RESERVES					
For equity in H-E.P.C. systems	3,963.76	201,478.05	8,793.10	2,953.16	23,720.24
For depreciation	2,938.68	97,317.51	6,225.75	1,376.34	18,662.77
Other reserves	252.94	5,360.18			682.22
Total reserves	7,155.38	304,155.74	15,018.85	4,329.50	43,065.23
SURPLUS					
Debentures paid	5,576.16	110,356.18	6,180.09	1,073.69	
Local sinking fund					30,131.03
Operating surplus	432.70	188,202.94	14,972.19	2,380.16	14,253.28
Total surplus	6,008.86	298,559.12	21,152.28	3,453.85	44,384.31
Total liabilities, reserves and surplus	28,287.10	923,594.49	43,341.04	14,797.53	132,098.33
Percentage of net debt to total assets	62.2	41.3	20.8	59.2	18.6

"A"—Continued

Hydro Municipalities as at December 31, 1932

Comber P.V.	Cottam P.V.	Courtright 353	Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 552	Dresden 1,451
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	523.00
7,231.00	9,056.31	6,515.06	3,402.64	3,758.63	8,040.88	9,281.73	18,062.13
....	....	....	....	....	....	....	....
3,422.04	1,538.31	1,225.40	1,600.44	914.44	3,286.91	3,251.98	7,280.17
2,459.87	1,803.64	880.37	1,378.45	962.46	2,411.76	3,254.24	5,887.55
384.93	359.43	425.08	353.42	148.08	496.74	673.50	1,127.48
....	....	....	....	....	....	....	....
983.54	206.27	558.67	291.87	203.81	328.41	388.37	525.20
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	4,815.01
....	....	....	....	....	....	....	....
14,481.38	12,963.96	9,604.58	7,026.82	5,987.42	14,564.70	16,849.82	38,220.54
2,264.33	2,643.24	615.07	1,114.60	773.89	1,027.79	1,035.45	925.04
....	....	....	1,500.00	2,500.00	2,000.00	5,000.00	1,000.00
597.54	358.60	118.65	326.28	117.34	773.82	....	1,159.95
....	....	....	....	....	....	....	382.75
....	....	....	....	....	....	....	....
10,263.00	1,581.57	2,702.70	4,499.23	1,426.14	3,550.96	6,029.19	16.065.52
31.25	14.73	....	16.50	....	....	76.50	100.00
27,637.50	17,562.10	13,041.00	14,483.43	10,804.79	21,917.27	28,990.96	57,853.80
....	....	....	....	....	....	....	....
27,637.50	17,562.10	13,041.00	14,483.43	10,804.79	21,917.27	28,990.96	57,853.80
2,106.10	7,222.25	4,101.91	2,242.75	2,306.02	2,627.87	6,703.06	1,417.47
....	....	....	26.31	....	7.62	1,018.77	....
....	....	....	....	....	....	....	....
16.37	145.72	....	....	....	5.00	....	100.00
2,122.47	7,367.97	4,101.91	2,269.06	2,306.02	2,640.49	7,721.83	1,517.47
10,263.00	1,581.57	2,702.70	4,499.23	1,426.14	3,550.96	6,029.19	16,065.52
4,101.27	2,084.63	888.15	1,722.02	724.58	1,250.97	4,644.66	4,404.33
....	....	....	....	....	....	....	....
14,364.27	3,666.20	3,590.85	6,221.25	2,150.72	4,801.93	10,673.85	20,469.85
5,593.90	1,777.97	4,036.44	1,157.25	1,693.98	1,672.13	2,796.94	14,820.78
....	....	....	....	....	....	....	....
5,556.86	4,749.96	1,311.80	4,835.87	4,654.07	12,802.72	7,798.34	21,045.70
11,150.76	6,527.93	5,348.24	5,993.12	6,348.05	14,474.85	10,595.28	35,866.48
27,637.50	17,562.10	13,041.00	14,483.43	10,804.79	21,917.27	28,990.96	57,853.80
12.2	46.1	39.6	22.7	24.6	14.4	33.6	3.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Drumbo	Dublin	Dundas	Dunnville	Dutton
Population	P.V.	P.V.	5,137	3,506	785
	$ c.	$ c.	$ c.	$ c.	$ c.
Assets					
Lands and buildings			12,084.26	3,328.13	135.19
Substation equipment			13,396.22	27,302.17	
Distribution system—overhead	4,426.33	5,787.61	50,052.10	36,532.92	9,366.86
Distribution system—underground					
Line transformers	1,417.47	897.65	19,610.94	17,262.44	3,425.25
Meters	1,863.92	874.11	20,345.01	15,349.32	3,259.83
Street light equipment, regular	262.27	544.86	10,808.96	8,048.19	626.14
Street light equipment, ornamental					
Miscellaneous construction expense	257.95	787.06	8,055.01	6,036.59	313.42
Steam or hydraulic plant					
Old plant			1,867.38	10,717.62	
Other plants not distributed					
Total plant	8,227.94	8,891.29	136,219.88	124,577.38	17,126.69
Bank and cash balance	2,027.81	121.19	4,241.75	35.00	196.77
Securities and investments			1,500.00	10,000.00	4,000.00
Accounts receivable	547.57	297.36	4,719.04	7,381.94	1,266.46
Inventories	70.03		532.07	875.50	43.15
Sinking fund on local debentures					
Equity in H-E.P.C. systems	3,272.85	3,030.15	75,080.63	28,253.22	9,972.54
Other assets			2,533.04		40.06
Total assets	14,146.20	12,339.99	224,826.41	171,123.04	32,645.67
Deficit		573.36			
Total	14,146.20	12,913.35	224,826.41	171,123.04	32,645.67
Liabilities					
Debenture balance	2,594.54	1,787.48	27,941.72	52,416.14	5,099.44
Accounts payable	19.25	951.34		8,826.10	
Bank overdraft				5,061.45	
Other liabilities			2,012.91	1,047.00	32.36
Total liabilities	2,613.78	2,738.82	29,954.63	67,350.69	5,131.80
Reserves					
For equity in H-E.P.C. systems	3,272.85	3,030.15	75,080.63	28,253.22	9,972.54
For depreciation	2,705.29	2,731.86	39,077.62	21,966.34	5,403.77
Other reserves			335.00		
Total reserves	5,978.14	5,762.01	114,493.25	50,219.56	15,376.31
Surplus					
Debentures paid	1,905.47	4,412.52	25,058.28	23,083.86	3,308.05
Local sinking fund					
Operating surplus	3,648.81		55,320.25	30,468.93	8,829.51
Total surplus	5,554.28	4,412.52	80,378.53	53,552.79	12,137.56
Total liabilities, reserves and surplus	14,146.20	12,913.35	224,826.41	171,123.04	32,645.67
Percentage of net debt to total assets	24.0	29.4	20.	47.1	22.6

"A"—Continued

Hydro Municipalities as at December 31, 1932

East Windsor 16,081	East York Twp.	Elmira 2,761	Elora 1,317	Embro 437	Erieau 260	Erie Beach 20	Essex 1,888
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
...	16,946.49	6,158.85	1,524.54	...	...	...	...
...	8,217.77	...	...	...	...	...	...
173,850.33	276,206.18	34,858.82	17,080.55	9,572.87	9,174.93	1,885.95	35,741.19
...	...	...	...	...	...	...	442.55
75,277.65	71,566.07	15,849.98	7,301.95	3,039.64	1,489.71	613.17	14,177.76
60,983.69	137,419.45	12,718.51	5,710.72	2,012.55	2,228.15	696.24	10,392.28
...	20,389.08	1,381.05	1,235.43	535.73	241.10	...	1,503.60
89,295.42	...	...	...	...	...	...	...
3,439.78	16,085.32	4,123.40	1,417.87	69.45	379.90	375.03	2,666.71
...	...	...	...	...	...	...	...
...	...	2,168.08	1,425.47	429.25	...	...	...
...	...	...	...	...	...	...	...
402,846.87	546,830.36	77,258.69	35,696.53	15,659.49	13,513.79	3,570.39	64,924.09
62,968.69	8,421.69	665.26	736.37	34.13	...	230.10	6,019.27
...	2,931.90	...	6,000.00	1,000.00	...	...	5,000.00
14,345.39	19,035.28	810.86	1,566.81	910.77	323.71	288.91	3,342.06
...	8,834.22	75.25	631.41	...	...	...	...
...	...	...	...	...	...	...	...
112,802.85	97,749.41	43,020.82	20,786.44	5,897.84	2,478.25	643.18	13,873.16
...	...	...	...	...	...	...	...
592,963.80	683,802.86	121,830.88	65,417.56	23,502.23	16,315.75	4,732.58	93,158.58
...	...	...	...	...	...	...	...
592,963.80	683,802.86	121,830.88	65,417.56	23,502.23	16,315.75	4,732.58	93,158.58
105,424.18	274,818.07	26,161.06	4,481.25	3,650.29	4,865.13	2,674.34	19,480.27
14,486.25	35,451.13	3,215.94	2.00	135.95	538.12	59.12	1,021.81
...	4,838.34	...	...	...	1,038.52	...	...
89,295.42	12,709.10	654.29	40.00	...	...	...	566.84
209,205.85	327,816.64	30,031.29	4,523.25	3,786.24	6,441.77	2,733.46	21,068.92
112,802.85	97,749.41	43,020.82	20,786.44	5,897.84	2,478.25	643.18	13,873.16
39,194.94	52,083.84	14,196.17	10,290.95	4,326.15	1,481.50	292.36	9,504.59
745.62	1,450.87	...	...	...	...	...	700.00
152,743.41	151,284.12	57,216.99	31,077.39	10,223.99	3,959.75	935.54	24,077.75
43,575.82	82,249.71	11,007.44	8,518.75	3,849.71	2,018.00	625.66	3,019.73
...	...	...	...	...	...	...	...
187,438.72	122,452.39	23,575.16	21,298.17	5,642.29	3,896.23	437.92	44,992.18
231,014.54	204,702.10	34,582.60	29,816.92	9,492.00	5,914.23	1,063.58	48,011.91
592,963.80	683,802.96	121,830.88	65,417.56	23,502.23	16,315.75	4,732.58	93,158.58
30.1	56.1	38.1	10.0	21.5	46.6	67.0	26.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Etobicoke Twp.	Exeter	Fergus	Fonthill	Forest
Population		1,622	2,585	833	1,425
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	25,641.84	3,281.59			6,447.40
Substation equipment					
Distribution system—overhead	262,927.74	26,643.02	32,890.23	10,533.78	20,175.34
Distribution system—underground					
Line transformers	62,582.00	10,380.65	15,075.95	4,868.64	9,453.76
Meters	49,332.97	8,125.69	11,382.30	4,331.41	8,664.91
Street light equipment, regular	11,573.61	942.49	2,145.24	1,019.85	2,369.94
Street light equipment, ornamental	2,689.44				
Miscellaneous construction expense	4,843.19	2,327.37	1,294.34	3,855.09	1,126.42
Steam or hydraulic plant					
Old plant			2,546.59		11,042.87
Other plants not distributed					
Total plant	419,590.79	51,700.81	65,334.65	24,608.77	59,280.64
Bank and cash balance		1,751.82	1,332.06	238.30	3,250.03
Securities and investments		6,000.00			7,500.00
Accounts receivable	22,639.24	2,443.98	553.23	185.31	3,301.30
Inventories	47.68	2,342.43	133.39		1,872.43
Sinking fund on local debentures					
Equity in H-E.P.C. systems	79,546.25	20,912.33	25,281.78	2,351.03	14,707.04
Other assets	4,564.53	68.66	58.33		74.62
Total assets	526,388.49	85,220.03	92,693.44	27,383.41	89,986.06
Deficit					
Total	526,388.49	85,220.23	92,693.44	27,383.41	89,986.06
Liabilities					
Debenture balance	196,970.43	9,171.63	21,295.06	17,922.52	11,711.74
Accounts payable	20,000.00		621.25	129.94	
Bank overdraft	7,365.71			315.62	
Other liabilities	7,253.97	94.25	10.00	230.62	26.06
Total liabilities	231,590.11	9,265.88	21,926.31	18,598.70	11,737.80
Reserves					
For equity in H-E.P.C. systems	79,546.25	20,912.33	25,281.78	2,351.03	14,707.04
For depreciation	53,880.97	8,926.71	6,677.33	1,271.44	11,558.74
Other reserves	1,500.00	84.00			50.00
Total reserves	134,927.22	29,923.04	31,959.11	3,622.47	26,315.78
Surplus					
Debentures paid	68,724.97	10,828.42	20,704.94	4,577.48	22,688.26
Local sinking fund					
Operating surplus	91,146.19	35,202.69	18,103.08	584.76	29,244.22
Total surplus	159,871.16	46,031.11	38,808.02	5,162.24	51,932.48
Total liabilities, reserves and surplus	526,388.49	85,220.03	92,693.44	27,383.41	89,986.06
Percentage of net debt to total assets	51.3	14.4	31.6	74.3	15.5

"A"—Continued

Hydro Municipalities as at December 31, 1932

Galt 13,960	Georgetown 1,997	Glencoe 767	Goderich 4,324	Granton P.V.	Guelph 21,201	Hagersville 1,285	Hamilton 150,065
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
200,400.85	....	....	12,957.48	....	13,380.18	....	929,551.60
113,622.52	....	....	34,402.48	....	139,713.17	864.37	1,737,799.64
228,049.07	30,126.88	20,704.96	64,572.46	4,170.55	184,953.21	19,807.41	1,247,269.44
....	....	....	....	....	....	....	851,226.90
117,259.45	18,111.46	6,311.20	20,268.45	1,533.55	83,161.20	9,788.08	969,455.27
72,021.22	13,014.10	4,205.38	17,360.38	1,486.86	91,025.20	8,487.98	620,785.86
72,290.44	1,364.67	1,714.63	4,825.17	163.37	42,038.32	976.69	274,727.91
....	....	....	....	....	....	....	....
26,181.98	2,390.67	3,481.32	6,055.80	113.08	14,892.87	1,081.30	208,888.37
....	....	....	....	....	....	....	....
....	2,209.80	....	14,622.15	....	....	....	104,506.64
....	....	....	....	....	....	....	....
829,825.53	67,217.58	36,417.49	175,064.37	7,467.41	569,164.15	41,005.83	6,944,211.63
175.00	573.73	2,741.65	50.00	2,829.61	29,083.40	7,893.17	209,599.12
....	8,214.80	....	....	2,000.00	....	12,000.00	....
67,492.07	1,224.84	1,314.02	3,571.91	112.48	15,969.76	1,811.64	421,607.51
13,751.01	141.51	....	1,126.58	....	27,463.52	19.50	155,281.02
103,656.86	....	....	....	....	41,228.68	....	602,313.76
284,752.36	49,924.77	9,481.57	63,694.65	4,319.34	333,433.78	43,449.04	1,870,477.61
2,041.95	368.61	49.02	1,493.33	....	....	....	3,233.88
1,301,694.78	127,665.84	50,003.75	245,000.84	16,728.84	1,016,343.29	106,179.18	10,206,724.53
....	....	....	....	....	....	....	....
1,301,694.78	127,665.84	50,003.75	245,000.84	16,728.84	1,016,343.29	106,179.18	10,206,724.53
324,664.99	11,459.43	9,541.28	52,324.74	2,251.11	57,052.97	3,540.46	3,412,282.73
13,491.11	308.34	....	511.15	688.06	22,411.33	....	294,569.90
35,721.10	....	....	217.48	....	....	....	....
5,652.01	361.00	550.12	1,493.33	....	2,293.58	....	*1,992,784.37
379,529.21	12,128.77	10,091.40	54,546.70	2,939.17	81,757.88	3,540.46	5,699,637.00
284,752.36	49,924.77	9,481.57	63,694.65	4,319.34	333,433.78	43,449.04	1,870,477.61
218,655.03	17,872.80	6,105.31	52,326.45	1,880.61	43,471.97	6,571.27	805,293.58
32,903.23	....	....	1,055.77	....	837.88	....	195,827.51
536,310.62	67,797.57	15,586.88	117,076.87	6,199.95	377,743.63	50,020.31	2,871,598.70
193,336.96	8,540.57	10,571.60	43,763.31	1,248.89	87,947.02	4,459.54	806,742.39
103,656.86	....	....	....	....	41,228.68	....	602,313.76
88,861.13	39,198.93	13,753.87	29,613.96	6,340.83	427,666.08	48,158.87	226,432.68
385,854.95	47,739.50	24,325.47	73,377.27	7,589.72	556,841.78	52,618.41	1,635,488.83
1,301,694.78	127,665.84	50,003.75	245,000.84	16,728.84	1,016,343.29	106,179.18	10,206,724.53
29.6	15.2	24.9	30.0	23.6	6.3	5.6	65.9

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*Includes a balance of $1,937,500.00 on purchase agreement.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Harriston	Harrow	Hensall	Hespeler	Highgate
Population	1,301	907	745	2,711	334
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings				4,474.73	
Substation equipment	600.00			29,732.13	
Distribution system—overhead	21,881.88	16,162.92	12,370.10	30,359.75	6,383.76
Distribution system—underground					
Line transformers	7,416.42	9,615.23	4,428.42	20,425.49	2,109.25
Meters	7,039.91	5,618.81	3,412.30	12,331.79	1,697.12
Street light equipment, regular	1,141.41	741.63	612.83	7,074.32	430.26
Street light equipment, ornamental					
Miscellaneous construction expense	993.16	95.42	563.61	721.18	519.15
Steam or hydraulic plant					
Old plant	1,001.43		400.00		
Other plants not distributed					
Total plant	40,074.21	32,234.01	21,787.26	105,119.39	11,139.54
Bank and cash balance	20.00	2,538.59	2,193.72		1,910.62
Securities and investments			4,000.00		2,321.96
Accounts receivable	198.14	2,455.94	575.68	6,288.43	78.85
Inventories				315.78	
Sinking fund on local debentures					
Equity in H-E.P.C. systems	17,138.78	9,485.41	7,598.95	49,551.83	5,394.17
Other assets	56.89		39.11		13.14
Total assets	57,488.02	46,713.95	36,194.72	161,275.43	20,858.28
Deficit					
Total	57,480.28	46,713.95	36,194.72	161,275.43	20,858.28
LIABILITIES					
Debenture balance	10,957.42	8,771.43	7,553.59	37,633.16	3,216.40
Accounts payable	4,347.44	1,076.66	688.05	91.67	134.68
Bank overdraft	1,573.66			216.61	
Other liabilities		366.24	55.50		
Total liabilities	16,878.52	10,214.33	8,297.14	37,941.44	3,351.08
RESERVES					
For equity in H-E.P.C. systems	17,138.78	9,485.41	7,598.95	49,551.83	5,394.17
For depreciation	4,723.17	769.86	5,207.73	10,232.62	3,000.64
Other reserves					
Total reserves	21,861.95	10,255.27	12,806.68	59,784.45	8,394.81
SURPLUS					
Debentures paid	14,860.61	3,228.57	4,446.41	39,937.35	1,783.60
Local sinking fund					
Operating surplus	3,886.94	23,015.78	10,644.49	23,612.19	7,328.79
Total surplus	18,747.55	26,244.35	15,090.90	63,549.54	9,112.39
Total liabilities, reserves and surplus	57,488.02	46,713.95	36,194.72	161,275.43	20,858.28
Percentage of net debt to total assets	41.8	27.4	29.0	34.0	21.6

"A"—Continued

Hydro Municipalities as at December 31, 1932

Humberstone 2,419	Ingersoll 5,000	Jarvis 482	Kingsville 2,245	Kitchener 31,114	Lambeth P.V.	La Salle 609	Leamington 4,912
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	15,064.45	....	7,774.09	129,345.29	....	....	16,351.71
....	26,521.47	....	....	215,728.98	....	....	7,085.62
26,024.23	54,835.26	9,403.31	31,144.02	308,231.67	6,893.10	18,950.34	48,685.83
....	....	....	....	37,706.12	....	....	9,585.77
9,181.25	27,189.89	3,047.96	13,143.80	170,371.25	1,883.12	6,716.60	22,600.97
7,621,55	24,936.34	2,332.75	13,031.84	176,914.79	2,184.61	4,174.22	22,064.70
884.80	3,980.93	846.99	1,399.61	63,688.73	269.16	946.49	1,380.13
....	4,597.59	....	19,200.00	86,939.84	....	....	15,178.49
2,898.72	11,673.29	703.12	117.97	15,014.82	300.71	1,810.69	1,738.96
....	....	....	....	....	....	....	....
....	19,580.34	....	....	52,363.91	....	....	....
....	....	....	....	....	....	....	....
46,610.55	188,379.56	16,334.13	85,811.33	1,256,305.40	11,530.70	32,598.34	144,672.18
7,632.61	....	1,124.67	7,136.72	1,968.42	2,870.47	6,308.29	5,781.86
....	11,716.57	....	8,000.00	15,000.00	....	....	11,000.00
603.98	875.37	585.39	1,966.82	45,281.39	594.64	1,174.02	4,660.78
....	1,920.93	10.47	....	11,785.31	....	....	....
....	63,219.73	....	....	....	....	....	....
8,380.37	94,747.96	6,899.05	18,769.21	634,997.65	4,709.82	5,938.03	32,975.35
....	601.13	....	....	....	....	528.28	194.13
63,227.51	361,461.25	24,953.71	121,684.08	1,965,338.17	19,705.63	46,546.96	199,284.30
....	....	....	....	....	....	....	....
63,227.51	361,461.25	24,953.71	121,684.08	1,965,338.17	19,705.63	46,546.96	199,284.30
20,400.00	79,800.00	7,110.40	29,306.07	214,486.41	2,572.53	11,963.16	35,085.20
534.54	7,282.74	....	2,960.51	40,749.24	....	....	....
....	895.90	....	....	....	....	....	....
840.29	5,198.72	....	20,832.25	86,939.84	648.04	528.28	17,163.70
21,774.83	93,177.36	7,110.40	53,098.83	342,175.49	3,220.57	12,491.44	52,248.90
8,380.37	94,747.96	6,899.05	18,769.21	634,997.65	4,709.82	5,938.03	32,975.35
4,178.37	9,008.29	1,825.32	14,265.95	226,508.10	2,528.95	4,452.44	17,096.37
....	940.28	....	....	22,945.19	....	....	....
12,558.74	104,696.53	8,724.37	33,035.16	884,450.94	7,238.77	10,390.47	50,071.72
11,600.00	....	3,389.60	4,193.93	297,663.59	1,427.47	3,536.84	12,914.80
....	63,219.73	....	....	....	....	....	....
17,293.94	100,367.63	5,729.34	31,356.16	441,048.15	7,818.82	20,128.21	84,048.88
28,893.94	163,587.36	9,118.94	35,550.09	738,711.74	9,246.29	23,665.05	96,963.68
63,227.51	361,461.25	24,953.71	121,684.08	1,965,338.17	19,705.63	46,546.96	199,284.30
39.7	11.9	39.4	30.5	25.7	21.5	32.5	24.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Listowel	London	London Twp.	Long Branch	Lucan
Population	2,688	71,310		3,537	547
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,457.39	458,398.49			
Substation equipment		925,006.76			
Distribution system—overhead	37,645.21	767,622.56	16,935.61	51,168.74	10,528.36
Distribution system—underground	2,897.25	265,096.50			
Line transformers	17,049.07	286,577.44	5,605.28	11,532.53	4,131.49
Meters	15,766.43	318,188.90	3,700.97	16,499.12	3,104.52
Street light equipment, regular	1,709.82	66,801.12	861.36	4,219.02	410.87
Street light equipment, ornamental	1,348.66	84,746.73			
Miscellaneous construction expense	2,351.01	92,111.45	478.71	1,220.51	473.07
Steam or hydraulic plant					
Old plant	4,745.30		1,733.80		2,860.45
Other plants not distributed					
Total plant	84,970.14	3,264,549.95	29,315.73	84,639.92	21,508.76
Bank and cash balance	8,572.71	67,344.11	7,115.13		3,109.86
Securities and investments					5,000.00
Accounts receivable	1,394.94	232,487.92	1,593.53	513.57	200.97
Inventories		82,781.88			
Sinking fund on local debentures		299,671.38			
Equity in H-E.P.C. systems	36,411.85	1,145,236.95	6,575.78	3,978.05	10,418.84
Other assets		1,175.35	84.85	2,130.68	
Total assets	131,349.64	5,093,247.54	44,685.02	91,262.22	40,238.43
Deficit					
Total	131,349.64	5,093,247.54	44,685.02	91,262.22	40,238.43
Liabilities					
Debenture balance	9,411.83	1,024,346.21	11,971.58	27,267.93	4,582.96
Accounts payable	12.16	183,064.17	2,632.41	10,054.50	
Bank overdraft					
Other liabilities	1,513.53	85,922.08	84.85	2,130.68	125.00
Total liabilities	10,937.52	1,293,332.46	14,688.84	39,453.11	4,707.96
Reserves					
For equity in H-E.P.C. systems	36,411.85	1,145,236.95	6,575.78	3,978.05	10,418.84
For depreciation	24,311.77	758,940.76	3,600.81	12,245.04	6,516.45
Other reserves		72,532.53		500.00	
Total reserves	60,723.62	1,976,710.24	10,176.59	16,723.09	16,935.29
Surplus					
Debentures paid	33,778.06	557,553.79	7,028.42	13,036.67	6,630.66
Local sinking fund		299,671.38			
Operating surplus	25,910.44	965,979.67	12,791.17	22,049.35	11,964.52
Total surplus	59,688.50	1,823,204.84	19,819.59	35,086.02	18,595.18
Total liabilities, reserves and surplus	131,349.64	5,093,247.54	44,685.02	91,262.22	40,238.43
Percentage of net debt to total assets	10.2	24.	38.5	43.8	15.7

"A"—Continued

Hydro Municipalities as at December 31, 1932

Lynden P.V.	Markham 1,001	Merlin P.V.	Merritton 2,515	Milton 1,825	Milverton 1,064	Mimico 6,422	Mitchell 1,609
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
241.18	....	....	2,951.67	....	237.20	16,857.36	13,139.20
....	....	....	32,689.04	11,868.94	....	38,461.02	21,287.83
4,753.81	14,925.65	8,042.18	34,149.62	20,616.68	11,337.91	72,091.52	28,998.95
....	....	....	....	....	....	....	....
2,134.21	7,441.40	3,391.23	6,737.28	13,988.73	7,565.80	29,920.12	8,807.77
1,564.56	5,590.07	2,235.70	9,471.75	12,752.36	5,047.01	27,277.14	11,823.76
340.66	732.20	555.64	4,637.66	1,282.36	737.16	7,586.19	2,593.23
....	....	....	....	....	....	....	....
193.57	1,517.81	455.36	3,277.88	4,405.38	818.43	5,387.95	1,019.52
....	....	....	....	....	....	....	....
....	....	241.85	....	3,092.54	....	....	1,500.00
....	....	....	....	....	....	....	....
9,227.99	30,207.13	14,921.96	93,914.90	68,006.99	25,743.51	197,581.30	89,170.26
588.71	563.52	2,458.67	14,701.88	8,270.24	2,366.46	2,918.49	5,787.77
....	2,299.17	6,000.00	....	8,000.00	2,000.00	....	2,500.00
593.53	1,303.42	1,020.35	154.66	8,590.55	453.51	6,226.55	7,139.20
....	....	....	....	1,504.18	....	....	2,669.80
....	....	....	....	....	....	....	....
7,840.67	8,075.72	6,558.84	42,913.51	57,948.39	25,455.10	65,893.56	22,789.60
....	43.16	....	....	113.85	....	1,917.62	63.50
18,250.90	42,492.12	30,959.82	151,684.95	152,434.20	56,018.58	274,537.52	130,120.13
....	....	....	....	....	....	....	....
18,250.90	42,492.12	30,959.82	151,684.95	152,434.20	56,018.58	274,537.52	130,120.13
2,820.07	1,613.21	8,419.82	21,567.61	8,311.39	2,143.42	88,607.69	....
8.02	55.03	1,231.10	662.61	....	3,447.50	3,828.70	1,628.54
....	....	....	....	....	....	....	....
187.83	50.00	....	....	113.85	....	4,250.00	63.50
3,015.92	1,718.24	9,650.92	22,230.22	8,425.24	5,590.92	96,686.39	1,692.04
7,840.67	8,075.72	6,558.84	42,913.51	57,948.39	25,455.10	65,893.56	22,789.60
2,181.13	4,882.67	1,828.05	4,403.02	13,150.92	4,557.61	36,441.53	30,862.85
....	....	....	....	....	....	825.68	....
10,021.80	12,958.39	8,386.89	47,316.53	71,099.31	30,012.71	103,160.77	53,652.45
1,674.93	9,760.42	4,944.39	10,618.60	24,735.02	7,356.58	38,392.31	22,295.22
....	....	....	....	....	....	....	....
3,538.25	18,055.07	7,977.62	71,519.60	48,174.63	13,058.37	36,298.05	52,480.42
5,213.18	27,815.49	12,922.01	82,138.20	72,909.65	20,414.95	74,690.36	74,775.64
18,250.90	42,492.12	30,959.82	151,684.95	152,434.20	56,018.58	274,537.52	130,120.13
28.9	5.	39.5	20.4	8.8	18.2	46.3	1.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Moorefield P.V.	Mount Brydges P.V.	Newbury 312	New Hamburg 1,462	New Toronto 6,437
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings				2,513.19	43,741.58
Substation equipment				1,167.55	
Distribution system—overhead	2,980.96	6,315.91	6,422.17	23,538.15	76,509.11
Distribution system—underground					8,605.69
Line transformers	990.72	1,709.69	1,767.86	7,268.97	28,640.29
Meters	1,182.42	2,209.08	1,195.32	8,951.49	27,503.59
Street light equipment, regular	295.88	629.66	817.42	2,065.70	10,090.44
Street light equipment, ornamental					
Miscellaneous construction expense	348.35	152.82	498.01	1,149.36	8,426.13
Steam or hydraulic plant					
Old plant			348.22	5,242.56	
Other plants not distributed					
Total plant	5,798.33	11,017.16	11,049.00	51,896.97	203,516.83
Bank and cash balance	1,937.45	2,035.61	1,355.90	25.00	5,800.92
Securities and investments		3,000.00			
Accounts receivable	40.65	1,465.95	44.27	1,715.27	10,269.21
Inventories				1,117.64	
Sinking fund on local debentures					
Equity in H-E.P.C. systems	3,195.47	3,501.49	2,160.36	26,269.83	210,186.51
Other assets	7.81	65.00	11.88		4,635.52
Total assets	10,979.71	21,085.21	14,621.41	81,024.71	434,408.99
Deficit					
Total	10,979.71	21,085.21	14,621.41	81,024.71	434,408.99
LIABILITIES					
Debenture balance	1,630.38	2,502.49	4,900.00	7,568.00	4,322.74
Accounts payable	4.00	429.59	149.22		12,782.18
Bank overdraft				2,300.64	
Other liabilities		65.00		141.50	4,635.52
Total liabilities	1,634.38	2,997.08	5,049.22	10,010.14	21,740.44
RESERVES					
For equity in H-E.P.C. systems	3,195.47	3,501.49	2,160.36	26,269.83	210,186.51
For depreciation	1,899.11	1,804.45	2,064.93	10,405.74	39,928.79
Other reserves				192.35	923.32
Total reserves	5,094.58	5,305.94	4,225.29	36,867.92	251,038.62
SURPLUS					
Debentures paid	2,869.62	1,717.51	4,854.39	10,161.08	3,677.26
Local sinking fund					
Operating surplus	1,381.13	11,064.68	492.51	23,985.57	157,952.67
Total surplus	4,250.75	12,782.19	5,346.90	34,146.65	161,629.93
Total liabilities, reserves and surplus	10,979.71	21,085.21	14,621.41	81,024.71	434,408.99
Percentage of net debt to total assets	21.0	16.8	40.5	18.3	9.7

"A"—Continued

Hydro Municipalities as at December 31, 1932

Niagara Falls 18,678	Niagara on-the-Lake 1,657	North York Twp.	Norwich 1,071	Oil Springs 448	Otterville P.V.	Palmerston 1,750	Paris 4,263
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
132,198.34	2,307.35	28,248.83	4,157.99	1,292.23	....	....	8,426.83
228,650.76	16,048.36	....	....	....	....	691.88	27,914.17
189,842.61	27,045.87	322,666.22	11,056.80	12,731.09	5,718.53	26,268.07	51,323.79
....	....	....	....	....	....	....	....
156,385.56	6,524.78	75,721.36	6,133.60	5,782.35	3,204.93	9,844.50	19,498.59
107,398.37	7,676.92	39,933.91	6,772.65	3,321.76	2,227.30	8,998.82	18,906.66
24,395.69	1,230.44	258.71	4,685.64	306.62	1,338.28	2,140.70	13,630.93
92,845.41	....	13,491.21	....	....	....	....	....
17,430.74	1,973.52	21,532.11	1,608.60	2,733.64	142.00	894.44	897.38
....	....	....	....	....	....	....	....
21,722.55	....	....	3,509.82	....	....	4,018.71	....
....	....	....	....	....	....	....	....
970,870.03	62,807.24	501,852.35	37,925.10	26,167.69	12,631.04	52,857.12	140,598.35
20,369.30	515.52	15,332.61	1,635.03	....	5,729.60	289.28	4,345.62
6,113.83	....	....	3,000.00	2,589.04	....	....	13,500.00
12,763.68	2,133.93	5,056.56	1,569.50	763.99	871.98	128.12	3,268.93
15,836.04	2,035.14	....	1,285.37	....	....	109.78	....
....	....	....	....	....	....	....	....
290,121.85	14,392.79	39,473.44	19,548.29	13,428.18	4,083.16	21,508.88	59,170.72
15,535.46	....	....	....	38.28	....	....	....
1,331,610.19	81,884.62	561,714.96	64,963.29	42,987.18	23,315.78	74,893.18	220,883.62
....	....	....	....	....	....	....	....
1,331,610.19	81,884.62	561,714.96	64,963.29	42,987.18	23,315.78	74,893.18	220,883.62
375,918.65	22,308.47	387,775.98	6,590.32	6,073.48	1,048.74	5,021.63	10,157.67
30,619.69	1,739.29	961.51	216.74	128.22	562.01	2,606.78	....
....	....	....	....	133.19	....	....	....
14,597.43	35.00	18,220.24	92.50	....	....	217.50	....
421,135.77	24,082.86	406,957.73	6,899.56	6,334.89	1,610.75	7,845.91	10,157.67
290,121.85	14,392.79	39,473.44	19,548.29	13,428.18	4,083.16	21,508.88	59,170.72
118,356.28	7,390.32	45,702.58	4,137.29	5,543.61	3,540.07	6,703.60	54,048.83
9,104.63	....	....	1,000.00	....	....	491.67	175.00
417,582.76	21,783.11	85,176.02	24,685.58	18,971.79	7,623.23	28,704.15	113,394.55
314,324.35	14,192.95	55,245.89	7,165.68	10,647.83	3,451.26	21,978.37	81,842.33
....	....	....	....	....	....	....	....
178,567.31	21,825.80	14,335.32	26,212.47	7,032.67	10,630.54	16,364.75	15,489.07
492,891.66	36,018.75	69,581.21	33,378.15	17,680.50	14,081.80	38,343.12	97,331.40
1,331,610.19	81,884.62	561,714.96	64,963.29	42,987.18	23,315.78	74.893.18	220,883.62
40.4	35.7	77.9	15.1	21.4	8.4	14.7	6.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population	968	2,431	P.V.	1,114	6,494
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		900.00			22,561.01
Substation equipment		2,403.55			
Distribution system—overhead	15,954.23	42,808.40	3,764.40	20,113.76	87,614.43
Distribution system—underground					
Line transformers	4,369.63	25,682.89	1,252.37	6,444.29	23,864.11
Meters	4,217.94	15,075.04	1,921.31	4,955.70	21,755.49
Street light equipment, regular	898.23	4,849.35	147.15	2,985.52	4,544.86
Street light equipment, ornamental					16,611.59
Miscellaneous construction expense	1,380.59	5,866.61	535.92	503.14	7,852.77
Steam or hydraulic plant					
Old plant		3,389.94			9,929.60
Other plants not distributed					
Total plant	26,820.62	100,975.78	7,621.15	35,002.41	194,733.86
Bank and cash balance	990.38	2,960.10	218.27	1,794.57	15.00
Securities and investments		8,400.00		13,000.00	1,500.00
Accounts receivable	778.20	3,436.55	866.13	4,409.40	6,851.12
Inventories		926.88			3,528.02
Sinking fund on local debentures					
Equity in H-E.P.C. systems	8,982.90	52,566.01	4,623.71	22,811.04	43,497.80
Other assets		565.00			
Total assets	37,572.10	169,830.32	13,329.26	77,017.42	250,125.80
Deficit					
Total	37,572.10	169,830.32	13,329.26	77,017.42	250,125.80
Liabilities					
Debenture balance	7,036.46	26,487.07	3,019.60	8,940.91	100,196.10
Accounts payable		2,945.95		3,849.07	1,627.71
Bank overdraft					282.58
Other liabilities	70.00	565.00			19,962.30
Total liabilities	7,106.46	29,998.02	3,019.60	12,789.98	122,068.69
Reserves					
For equity in H-E.P.C. systems	8,982.90	52,566.01	4,623.71	22,811.04	43,497.80
For depreciation	4,555.32	24,462.11	2,551.33	8,540.62	26,671.38
Other reserves		141.55			960.40
Total reserves	13,538.22	77,169.67	7,175.04	31,351.66	71,129.58
Surplus					
Debentures paid	7,593.56	23,512.93	2,217.40	8,059.09	45,803.90
Local sinking fund					
Operating surplus	9,333.86	39,149.70	917.22	24,816.69	11,123.63
Total surplus	16,927.42	62,662.63	3,134.62	32,875.78	56,927.53
Total liabilities, reserves and surplus	37,572.10	169,830.32	13,329.26	77,017.42	250,125.80
Percentage of net debt to total assets	24.8	25.1	34.6	23.5	55.4

"A"—Continued

Hydro Municipalities as at December 31, 1932

Port Credit 1,600	Port Dalhousie 1,394	Port Dover 1,584	Port Rowan 676	Port Stanley 694	Preston 6,173	Princeton P.V.	Queenston P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
675.00	....	248.75	....	1,570.80	....	....	....
....	....	....	....	....	50,602.15	....	....
23,959.50	18,398.80	29,534.00	9,650.37	20,212.54	89,351.36	4,228.15	7,594.07
....	....	....	....	....	....	....	....
8,938.13	9,284.89	10,241.71	1,676.62	10,737.28	47,796.23	2,473.48	1,911.85
9,085.01	9,256.02	6,891.71	1,815.68	8,735.54	38,856.01	1,223.65	1,536.99
4,922.71	1,041.19	2,537.31	888.04	1,546.63	5,425.03	185.35	422.43
....	....	....	....	....	....	....	....
897.49	2,523.98	2,445.57	681.63	5,862.39	6,794.91	64.35	2,081.11
....	....	....	....	....	....	....	....
....	6,018.38	....	....	577.51	32,126.75	....	....
....	....	....	....	....	....	....	....
48,477.84	46,523.26	51,899.05	14,712.24	49,242.69	270,952.44	8,174.98	13,546.45
4,089.54	1,212.75	1,825.99	1,679.02	1,167.91	11,251.71	1,200.50	....
....	3,000.00	....	....	3,000.00	6,000.00	....	....
1,494.21	3,379.78	1,782.19	119.31	1,847.88	14,342.58	1,505.11	185.54
....	....	....	....	....	74.60	....	....
....	2,467.12	....	....	....	....	....	....
17,251.94	14,732.08	11,079.28	2,906.24	19,896.18	142,339.91	3,897.53	3,341.19
869.95	65.50	....	....	34.11	129.00	....	15.65
72,183.48	71,380.49	66,586.51	19,416.81	75,188.77	445,090.24	14,778.12	17,088.83
....	....	....	6,275.30	....	....	....	....
72,183.48	71,380.49	66,586.51	25,692.11	75,188.77	445,090.24	14,778.12	17,088.83
8,985.62	10,939.95	12,597.20	9,314.35	8,227.51	56,837.10	2,046.85	6,100.86
252.98	754.96	2,430.87	10,339.82	....	5,919.13	180.07	100.00
....	....	....	....	....	....	....	38.60
360.00	....	652.00	....	20.01	1,438.95	....	....
9,598.60	11,694.91	15,680.07	19,654.17	8,247.52	64,195.18	2,226.92	6,239.46
17,251.94	14,732.08	11,079.28	2,906.24	19,896.18	142,339.91	3,897.53	3,341.19
12,766.12	4,557.48	6,638.72	1,446.05	8,956.97	86,115.82	2,043.98	2,222.45
91.72	....	....	....	....	....	....	....
30,109.78	19,289.56	17,718.00	4,352.29	28,853.15	228,455.73	5,941.51	5,563.64
5,514.38	11,560.05	16,402.80	1,685.65	10,722.49	95,962.90	1,503.15	3,399.14
....	2,467.12	....		....	....	....	....
26.960.72	26,368.85	16,785.64	....	27,365.61	56,476.43	5,106.54	1,886.59
32,475.10	40,396.02	33,188.44	1,685.65	38,088.10	152,439.33	6,609.69	5,285.73
72,183.48	71,380.49	66,586.51	25,692.11	75,188.77	445,090.24	14,778.12	17,088.83
17.5	17.0	28.2	119.0	14.9	20.7	20.4	45.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Richmond Hill	Ridgetown	Riverside	Rockwood	Rodney
Population	1,235	1,990	5,125	P.V.	738
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings			2,379.31	79.00	
Substation equipment	600.00	1,024.24			
Distribution system—overhead	10,391.89	21,390.54	90,798.32	7,565.39	11,187.44
Distribution system—underground					
Line transformers	7,212.07	9,852.66	31,124.03	2,481.27	2,971.48
Meters	4,579.74	9,458.86	22,800.27	2,802.39	3,554.47
Street light equipment, regular	1,333.57	3,533.41		561.22	639.99
Street light equipment, ornamental		1,431.73	17,030.71		
Miscellaneous construction expense	35.23	2,606.91	4,571.45	436.35	788.86
Steam or hydraulic plant					
Old plant		5,088.46			700.00
Other plants not distributed					
Total plant	24,152.50	54,386.81	168,704.09	13,925.62	19,842.24
Bank and cash balance	1,970.75	50.00			1,247.98
Securities and investments		13,000.00			3,000.00
Accounts receivable	2,303.19	606.47	13,967.61	548.83	330.27
Inventories	166.60	901.62		133.50	
Sinking fund on local debentures					
Equity in H-E.P.C. systems	6,992.50	20,709 01	37,317.94	5,752.36	6,130.67
Other assets	57.88			21.17	36.85
Total assets	35,643.42	89,653.91	219,989.64	20,381.48	30,588.01
Deficit					
Total	35,643.42	89,653.91	219,989.64	20,381.48	30,588.01
LIABILITIES					
Debenture balance	4,787.57	6,753.40	57,649.35	2,424.39	5,608.62
Accounts payable	76.38	423.35	3,926.84	223.25	690.48
Bank overdraft		55.14	3,414.71	99.08	
Other liabilities	55.12	1,756.73	17,030.71	20.00	92.00
Total liabilities	4,919.07	8,988.62	82,021.61	2,766.72	6,391.10
RESERVES					
For equity in H-E.P.C. systems	6,992.50	20,709.01	37,317.94	5,752.36	6,130.67
For depreciation	1,061.05	9,841.30	23,180.54	3,982.12	1,440.26
Other reserves			594.99		
Total reserves	8,053.55	30,550.31	61,093.47	9,734.48	7,570.93
SURPLUS					
Debentures paid	7,412.43	12,702.59	24,850.65	2,075.61	2,891.38
Local sinking fund					
Operating surplus	15,258.37	37,412 39	52,023.91	5,804.67	13,734.60
Total surplus	22,670.80	50,114.98	76,874.56	7,880.28	16,625.98
Total liabilities, reserves and surplus	35,643.42	89,653.91	219,989.64	20,381.48	30,588 01
Percentage of net debt to total assets	17.2	11.2	39.2	18.8	26.1

"A"—Continued

Hydro Municipalities as at December 31, 1932

St. Catharines 25,645	St. Clair Beach 114	St. George P.V.	St. Jacobs P.V.	St. Marys 4,032	St. Thomas 16,582	Sandwich 11,408
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
47,378.92	....	....	....	3,000.00	73,253.59	541.70
115,063.83	....	....	....	26,973.78	110,201.39	4,097.56
205,572.56	7,785.49	5,932.09	6,425.31	54,413.75	111,149.73	107,773.81
....	....	....	....	....	36.690.67	....
137,385.62	2,492.83	2,729.42	2,539.38	19,779.11	53,685.43	47,288.49
85,330.62	1,467.70	2,757.07	2,554.06	21,475.09	67,498.09	50,394.20
18,372.91	....	232.07	390.26	4,136.50	21,259.32	11,665.76
27,448.87	....	....	....	....	3,693.04	51,239.13
39,322.57	149.27	374.18	460.55	3,670.58	10,993.19	8,378.51
....	....	....	....	....	....	....
7,792.05	....	....	....	20,696.85	....	4,148.96
....	....	....	....	....	....	....
683,667.95	11,895.29	12,024.83	12,369.56	154,145.66	488,424.45	285,528.12
4,799.44	524.37	984.83	247.12	3,372.21	400.00	11,744.90
12.069.06	....	500.00	3,000.00	....	52,072.73	15,138.88
29,240.61	1,086.27	192.36	369.75	6,528.15	29,938.13	14,381.21
478.76	....	....	....	3,173.61	7,806.06	344.38
63,165.88	....	....	....	1,318.20	....	....
259,563.60	3,163.72	6,845.74	7,153.62	69,654.68	237,830.74	111,044.97
8,033.70	....	....	....	67.50	....	596.34
1,061,019.00	16,669.65	20,547.76	23,140.05	238,260.01	816,472.11	438,778.80
....	....	....	....	....	....	....
1,061,019.00	16,669.65	20,547.76	23,140.05	238,260.01	816,472.11	438,778.80
220,607.22	3,997.46	3,560.05	2,143.64	42,961.61	32,796.34	104,306.72
68,340.11	193.48	512.76	103.56	....	....	....
....	....	....	....	....	3,626.34	....
27,739.87	....	72.50	....	67.50	11,197.51	62,427 69
316,687.20	4,190.94	4,145.31	2,247.20	43,029.11	47,620.19	166,734.41
259,563.60	3,163.72	6,845.74	7,153.62	69,654.68	237,830.74	111,044.97
122,454.91	1,981.68	1,628.50	2,729.52	45,726.02	86,665.49	32,151.60
17,971.88	33.95	....	....	659.05	553.37	....
399,990.39	5,179.35	8,474.24	9,883.14	116,039.75	325,049.60	143,196.57
81,415.69	2,343.99	2,439.95	3,856.36	71,285.41	106,147.73	41,266.31
63,165.88	....	....	....	1,318.20	....	....
199,759.84	4,955.37	5,488.26	7,153.35	6,587.54	337,654.59	87,581.51
344,341.41	7,299.36	7,928.21	11,009.71	79,191.15	443,802.32	128,847.82
1,061,019.00	16,669.65	20,547.76	23,140.05	238,260.01	816,472.11	438,778.80
31.8	31.0	30.2	14.1	25.7	7.6	41.8

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Sarnia	Scarboro' Twp.	Seaforth	Simcoe	Spring-field
Population	17,540		1,688	5,263	387
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	111,304.25	16,585.49	1,290.34	8,442.41	
Substation equipment	206,506.33	301.95	5,999.16	22,906.67	
Distribution system—overhead	210,961.09	267,207.74	27,957.71	49,417.64	7,861.45
Distribution system—underground					
Line transformers	75,962.85	59,166.96	9,581.40	24,184.88	2,374.19
Meters	71,114.19	63,842.44	8,587.32	23,236.74	1,964.13
Street light equipment, regular	25,219.12	19,765.71	1,414.55	5,550.13	546.24
Street light equipment, ornamental	7,482.11			3,500.00	
Miscellaneous construction expense	25,900.91	13,168.36	395.45	6,560.28	691.36
Steam or hydraulic plant					
Old plant	55,495.72			927.92	
Other plants not distributed					
Total plant	789,946.57	440,038.65	55,225.93	144,726.67	13,437.37
Bank and cash balance		24,130.49	683.68	3,966.03	870.96
Securities and investments			12,100.00		5,500.00
Accounts receivable	54,575.66	12,611.23	5,058.82	4,282.86	29.03
Inventories	20,873.49		2,911.26	139.58	
Sinking fund on local debentures			14,250.18		
Equity in H-E.P.C. systems	290,686.22	72,344.99	34,414.01	42,800.62	4,749.92
Other assets	3,256.75			266.48	
Total assets	1,159,338.69	549,125.36	124,643.88	196,182.24	24,587.28
Deficit					
Total	1,159,338.69	549,125.36	124,643.88	196,182.24	24,587.28
Liabilities					
Debenture balance	149,889.45	206,800.27	25,000.00	57,886.77	3,779.59
Accounts payable	24,786.13	21,631.10			481.16
Bank overdraft	17,783.56				
Other liabilities	13,128.42	24,254.35	25.00	3,628.00	52.00
Total liabilities	205,587.56	252,685.72	25,025.00	61,514.77	4,312.75
Reserves					
For equity in H-E.P.C. systems	290,686.22	72,344.99	34,414.01	42,800.62	4,749.92
For depreciation	109,506.97	55,549.13	16,824.10	16,695.79	2,052.58
Other reserves	1,179.39	4,537.49	1,106.96		
Total reserves	401,372.58	132,431.61	52,345.07	59,496.41	6,802.50
Surplus					
Debentures paid	188,110.55	83,768.00		17,548.13	5,720.41
Local sinking fund			14,250.18		
Operating surplus	364,268.00	80,240.03	33,023.63	57,622.93	7,751.62
Total surplus	552,378.55	164,008.03	47,273.81	75,171.06	13,472.03
Total liabilities, reserves and surplus	1,159,338.69	549,125.36	124,643.88	196,182.24	24,587.28
Percentage of net debt to total assets	22.4	53.0	14.1	38.4	21.7

"A"—Continued

Hydro Municipalities as at December 31, 1932

Stamford Twp.	Stouffville 1,117	Stratford 18,626	Strathroy 2,870	Sutton 805	Tavistock 995	Tecumseh 2,550	Thamesford P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7,196.71	....	135,191.94	7,149.98	....	234.02	....	....
37,384.60	....	136,903.19	21,776.34	....	....	....	....
123,547.02	12,510.41	153,065.26	48,594.87	19,430.71	13,273.34	34,441.25	7,640.10
....	....	....	....	....	....	....	....
43,259.02	3,903.57	93,773.32	18,790.72	6,631.75	6,230.58	10,039.18	2,625.63
30,318.78	3,879.57	85,843.72	14,240.28	5,461.49	4,693.16	10,544.85	2,465.36
9,155.30	1,445.52	21,744.56	5,731.38	1,517.43	931.82	....	332.25
....	....	....	....	....	....	4,760.95	....
11,608.58	525.16	18,077.36	2,283.45	1,595.44	599.27	1,262.48	273.17
....	....	....	....	....	....	....	....
13,743.66	3,866.37	16,150.00	12,343.15	675.00	....	....	....
....	....	....	....	....	....	....	....
276,213.67	26,130.60	660,749.35	130,910.17	35,311.82	25,962.19	61,048.71	13,336.51
370.00	2,548.01	600.00	6,528.14	2,411.21	1,132.76	....	762.10
....	5,000.00	21,900.00	....	....	3,799.01	....	7,500.00
16,501.95	1,202.70	56,160.48	6,165.11	2,036.29	215.95	4,191.37	456.71
7,241.87	....	10,000.06	2,748.76	....	....	....	....
....	....	193,012.03	....	....	....	....	....
42,365.49	6,715.70	307,773.52	42,752.87	6,040.27	21,646.60	11,721.69	8,670.56
4,179.96	43.01	....	393.09	....	....	....	24.35
346,872.94	41,640.02	1,250,195.44	189,498.14	45,799.59	52,756.51	76,961.77	30,750.23
....	....	....	....	....	....	....	....
346,872.94	41,640.02	1,250,195.44	189,498.14	45,799.59	52,756.51	76,961.77	30,750.23
181,589.85	8,141.29	412,000.00	36,070.86	17,638.16	3,863.55	16,106.84	1,868.68
1,057.66	....	....	....	3,232.50	563.60	966.28	....
1,455.84	....	9,922.27	....	....	....	8,533.12	....
3,696.60	....	1,648.31	393.09	71.60	....	4,760.95	24.35
187,799.95	8,141.29	423,570.58	36,463.95	20,942.26	4,427.15	30,367.19	1,893.03
42,365.49	6,715.70	307,773.52	42,752.87	6,040.27	21,646.60	11,721.69	8,670.56
18,921.58	1,685.29	190,362.56	19,822.44	4,055.22	6,759.71	8,894.26	4,161.78
1,465.65	....	2,042.84	425.00	....	....	316.30	....
62,752.72	8,400.99	500,178.92	63,000.31	10,095.49	28,406.31	20,932.25	12,832.34
58,688.32	10,398.98	43,800.00	30,161.14	8,361.84	2,136.45	9,893.16	3,489.35
....	....	193,012.03	....	....	....	....	....
37,631.95	14,698.76	89,633.91	59,872.74	6,400.00	17,786.60	15,769.17	12,535.51
96,320.27	25,097.74	326,445.94	90,033.88	14,761.84	19,923.05	25,662.33	16,024.86
346,872.94	41,640.02	1,250,195.44	189,498.14	45,799.59	52,756.51	76,961.77	30,750.23
61.6	23.3	30.8	24.6	52.7	14.2	42.3	8.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Thamesville	Thedford	Thorndale	Thorold	Tilbury
Population	786	515	P.V.	5,068	1,929
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	681.69			9,892.59	969.46
Substation equipment					
Distribution system—overhead	11,734.70	9,218.89	3,240.45	30,630.64	14,682.92
Distribution system—underground					
Line transformers	5,160.49	3,303.91	1,559.98	14,432.74	12,417.77
Meters	3,862.01	2,170.67	1,731.49	20,175.55	7,359.49
Street light equipment, regular	1,379.42	885.46	181.19	2,762.69	1,001.16
Street light equipment, ornamental					
Miscellaneous construction expense	1,020.21	1,623.61	310.45	5,225.25	1,474.82
Steam or hydraulic plant				13,175.95	
Old plant	4,445.68	433.78			3,049.47
Other plants not distributed					
Total plant	28,284.20	17,636.32	7,023.56	96,295.41	40,955.09
Bank and cash balance	3,225.32	913.42	912.01	9,272.01	1,898.61
Securities and investments	5,000.00	1,000.00			10,000.00
Accounts receivable	126.33	1,243.49	710.26	3,803.08	2,053.80
Inventories				42.29	
Sinking fund on local debentures					
Equity in H-E.P.C. systems	8,597.77	4,202.55	4,719.84	39,415.26	22,403.90
Other assets	31.33			269.00	64.54
Total assets	45,264.95	24,995.78	13,365.67	149,097.05	77,375.94
Deficit					
Total	45,264.95	24,995.78	13,365.67	149,097.05	77,375.94
Liabilities					
Debenture balance	4,729.43	9,784.53	1,520.19		7,299.22
Accounts payable	188.03	2,169.99	457.11	5,638.40	
Bank overdraft					
Other liabilities	101.00	10.00		1,493.50	
Total liabilities	5,018.46	11,964.52	1,977.30	7,131.90	7,299.22
Reserves					
For equity in H-E.P.C. systems	8,597.77	4,202.55	4,719.84	39,415.26	22,403.90
For depreciation	5,424.95	1,706.53	2,406.99	21,765.62	9,372.26
Other reserves					
Total reserves	14,022.72	5,909.08	7,126.83	61,180.88	31,776.16
Surplus					
Debentures paid	6,458.37	6,715.47	1,566.29	5,000.00	6,700.78
Local sinking fund					
Operating surplus	19,765.40	406.71	2,695.25	75,784.27	31,599.78
Total surplus	26,223.77	7,122.18	4,261.54	80,784.27	38,300.56
Total liabilities, reserves and surplus	45,264.95	24,995.78	13,365.67	149,097.05	77,375.94
Percentage of net debt to total assets	13.6	57.5	22.9	6.5	13.2

"A"—Continued

Hydro Municipalities as at December 31, 1932

Tillsonburg 3,287	Toronto 621,596	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Walkerville 11,351	Wallaceburg 4,501
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,918.30	4,777,334.52	6,366.13	....	....	147,518.53	37,746.29
13,937.52	15,039,319.66	....	....	....	155,069.52	9,651.80
40,493.73	6,030,804.84	170,761.56	20,151.33	8,682.52	152,176.54	57,026.33
....	3,959,553.25	....	....	....	....	....
15,047.10	3,480,031.67	46,380.08	9,232.06	1,972.52	91,072.88	34,773.82
15,994.64	2,928,031.78	30,066.38	4,741.17	1,181.74	69,168.81	19,355.58
11,415.89	477,742.79	3,717.44	....	....	....	10,661.01
....	....	....	....	....	187,172.22	....
3,088.65	2,671,800.92	3,188.25	1,593.70	318.66	38,314.33	4,465.64
....	....	....	....	....	....	....
....	3,559,088.87	619.65	....	....	18,335.05	20,941.07
....	....	....	....	....	....	....
106,895.83	42,923,708.30	261,099.49	35,718.26	12,155.44	858,827.88	194,621.54
50.00	1,713,488.50	10,491.91	3,958.02	1,424.34	37,431.91	1,387.97
9,000.00	....	10,000.00	....	1,000.00	7,661.99	....
3,774.95	1,421,498.61	9,202.52	383.97	401.25	125,493.16	5,849.77
2,471.81	525,838.97	....	....	....	27,529.28	3,009.02
....	5,797,940.49	....	....	....	....	....
43,328.89	9,145,449.91	42,166.16	....	....	320,310.18	92,757.37
2,294.55	39,433.54	1,665.87	....	....	1,606.00	1,500.37
167,816.03	61,567,358.32	334,625.95	40,060.25	14,981.03	1,378,860.41	299,126.04
....	....	....	....	....	....	....
167,816.03	61,567,358.32	334,625.95	40,060.25	14,981.03	1,378,860.41	299,126.04
11,171.10	27,689,250.00	66,054.19	13,543.52	9,461.15	153,042.74	47,293.71
27.26	1,716,440.00	4,541.86	....	....	84,853.65	194.83
1,968.56	....	....	....	....	....	....
1,960.00	....	1,665.87	....	....	205,104.72	1,500.37
15,126,92	29,405,690.00	72,261.92	13,543.52	9,461.15	443,001.11	48,988.91
43,328.89	9,145,449.91	42,166.16	....	....	320,310.18	92,757.37
28,663.70	6,827,418.78	78,474.60	10,934.67	900.00	110,581.30	35,054.27
495.20	987,742.28	862.42	....	....	6,763.14	44.74
72,487.79	16,960,610.97	121,503.18	10,934.67	900.00	437,654.62	127,856.38
24,828.90	6,893,750.00	37,945.81	5,882.89	....	146,216.26	24,242.87
....	5,797,940.49	....	....	....	....	....
55,372.42	2,509,366.86	102,915.04	9,699.17	4,619.88	351,988.42	98,037.88
80,201.32	15,201,057.35	140,860.85	15,582.06	4,619.88	498,204.68	122,280.75
167,816.03	61,567,358.32	334,625.95	40,060.25	14,981.03	1,378,860.41	299,126.04
12.1	50.6	24.2	33.8	63.2	29.3	23.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Wardsville	Water-down	Waterford	Waterloo	Watford
Population	182	887	1,096	8,550	915
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		200.00		14,454.37	
Substation equipment				63,511.42	
Distribution system—overhead	5,003.72	15,952.66	15,772.78	89,016.23	15,870.38
Distribution system—underground					
Line transformers	1,695.49	5,364.65	7,144.55	40,262.98	5,286.79
Meters	1,253.12	5,589.87	5,894.24	34,817.28	5,229.07
Street light equipment, regular	519.36	583.81	3,231.62	14,076.14	807.31
Street light equipment, ornamental				3,106.80	
Miscellaneous construction expense	488.73	470.04	442.53	7,203.75	2,136.89
Steam or hydraulic plant					
Old plant	193.94			24,160.67	657.44
Other plants not distributed					
Total plant	9,154.36	28,161.03	32,485.72	290,609.64	29,987.88
Bank and cash balance		294.21	1,026.17		2,680.89
Securities and investments	1,000.00		5,300.00		4,000.00
Accounts receivable	312.33	2,487.86	688.44	6,208.65	1,228.36
Inventories				800.41	25.79
Sinking fund on local debentures				10,545.94	
Equity in H-E.P.C. systems	1,637.38	12,178.89	15,561.36	128,459.61	10,416.65
Other assets					
Total assets	12,104.07	43,121.99	55,061.69	436,624.25	48,339.57
Deficit					
Total	12,104.07	43,121.99	55,061.69	436,624.25	48,339.57
LIABILITIES					
Debenture balance	4,306.24			57,077.03	2,257.61
Accounts payable	323.54	974.26	1,746.63		996.22
Bank overdraft	347.76			4,352.14	
Other liabilities		70.00		3,106.80	
Total liabilities	4,977.54	1,044.26	1,746.63	64,535.97	3,253.83
RESERVES					
For equity in H-E.P.C. systems	1,637.38	12,178.89	15,561.36	128,459.61	10,416.65
For depreciation	1,677.84	5,994.04	8,100.52	86,894.72	4,991.84
Other reserves				200.00	
Total reserves	3,315.22	18,172.93	23,661.88	215,554.33	15,408.49
SURPLUS					
Debentures paid	3,256.16	8,000.00	7,745.53	48,922.97	7,455.60
Local sinking fund				10,545.94	
Operating surplus	555.15	15,904.80	21,907.65	97,065.04	22,221.65
Total surplus	3,811.31	23,904.80	29,653.18	156,533.95	29,677.25
Total liabilities, reserves and surplus	12,104.07	43,121.99	55,061.69	436,624.25	48,339.57
Percentage of net debt to total assets	47.5	3.3	4.4	20.9	8.5

"A"—Continued

Hydro Municipalities as at December 31, 1932

Welland 10,338	Wellesley P.V.	West Lorne 812	Weston 4,618	Wheatley 765	Windsor 68,079	Woodbridge 786	Woodstock 10,840
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
73,059.45	....	....	11,770.81	....	312,212.24	....	35,489.71
56,576.25	....	....	32,737.85	....	678,204.73	....	93,838.15
130,578.94	5,633.60	11,296.93	59,806.62	14,524.19	754,235.40	16,552.32	99,966.25
7,464.61	....	....	....	....	141,658.25	....	....
56,783.26	2,153.50	4,138.99	35,332.30	4,443.64	349,099.71	5,768.98	54,503.36
55,495.16	2,398.90	3,091.23	21,969.23	3,897.39	329,122.40	4,273.32	53,016.99
4,236.59	545.11	636.97	30,052.76	1,591.76	37,377.41	423.26	15,068.12
27,252.86	....	....	....	....	693,788.56	....	....
11,310.87	102.05	347.14	6,713.73	832.51	127,237.65	838.20	3,198.77
....	....	....	....	....	....	....	....
51,070.78	....	1,250.00	....	2,569.50	141,990.11	....	....
....	....	....	....	....	....	....	....
473,828.77	10,833.16	20,761.26	198,383.30	27,858.99	3,564,926.46	27,856.08	355,081.35
7,450.89	1,308.60	3,076.27	4,797.19	1,384.34	275.00	714.81	35,671.82
29,772.00	....	....	....	1,500.00	117,269.80	....	61,000.00
10,958.49	29.39	312.50	6,285.98	793.56	147,639.32	177.24	8,370.45
17,864.87	....	93.07	197.93	....	86,966.55	....	645.08
99,876.98	....	....	....	....	115,296.06	....	47,938.76
143,466.51	9,055.32	15,679.40	113,783.85	5,501.81	951,295.58	14,439.00	188,447.32
4,438.28	....	....	....	34.40	7,330.67	....	5,180.98
787,656.79	21,226.47	39,922.50	323,448.25	37,073.10	4,990,999.44	43,187.13	702,335.76
....	....	....	....	....	....	....	....
787,656.79	21,226.47	39,922.50	323,448.25	37,073.10	4,990,999.44	43,187.13	702,335.76
263,118.67	2,265.78	5,402.34	41,427.56	8,803.31	1,415,144.16	5,332.02	77,339.26
38,570.44	229.63	561.17	....	149.04	58,342.96	3,927.14	....
....	....	....	....	....	30,400.96	....	....
33,632.31	....	....	2,088.30	....	747,735.39	186.84	5,180.98
335,321.42	2,495.41	5,963.51	43,515.86	8,952.35	2,251,623.47	9,446.00	82,520.24
143,466.51	9,055.32	15,679.40	113,783.85	5,501.81	951,295.58	14,439.00	188,447.32
104,910.30	2,184.06	5,190.14	27,106.70	2,378.32	346,931.38	6,469.79	117,266.14
1,845.00	....	....	....	....	131,766.25	....	13,060.93
250,221.81	11,239.38	20,869.54	140,890.55	7,880.13	1,429,993.21	20,908.79	318,774.39
35,881.33	5,234.22	2,597.66	28,604.88	4,196.69	574,855.87	3,167.95	50,046.37
99,876.98	....	....	....	....	115,296.06	....	47,938.76
66,355.25	2,257.46	10,491.79	110,436.96	16,043.93	619,230.83	9,664.39	203,056.00
202,113.56	7,491.68	13,089.45	139,041.84	20,240.62	1,309,382.76	12,832.34	301,041.13
787,656.79	21,226.47	39,922.50	323,448.25	37,073.10	4,990,999.44	43,187.13	702,335.76
59.5	20.5	24.6	20.8	28.3	44.6	32.9	6.3

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Concluded

Municipality	Wyoming	York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population	475		P.V.	
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings				8,156,363.65
Substation equipment				20,863,137.97
Distribution system—overhead	7,301.92	764,501.12	6,932.37	16,726,583.46
Distribution system—underground				5,406,481.98
Line transformers	1,257.61		1,643.52	8,098,091.12
Meters	2,295.58		2,270.21	6,853,468.45
Street light equipment, regular	283.92	49,913.60	471.82	1,635,153.98
Streetlight equipment, ornamental				1,539,290.34
Miscellaneous construction expense	805.20	19,070.96	240.77	3,748,300.89
Steam or hydraulic plant				13,175.95
Old plant			150.00	4,378,852.20
Other plants not distributed				200,000.00
Total plant	11,944.23	833,485.68	11,708.69	77,618,899.99
Bank and cash balance	201.82	96,574.15	306.26	2,676,940.73
Securities and investments			2,000.00	699,559.69
Accounts receivable	54.20		581.85	3,147,971.29
Inventories				1,082,944.30
Sinking fund on local debentures				7,680,092.01
Equity in H-E.P.C. systems	3,989.73		6,865.12	20,663,398.10
Other assets		13,077.68	21.30	156,912.22
Total assets	16,189.98	943,137.51	21,483.22	113,726,718.33
Deficit	2,303.27			13,730.48
Total	18,493.25	943,137.51	21,483.22	113,740,448.81
LIABILITIES				
Debenture balance	2,389.55	432,378.39	3,917.47	40,522,301.69
Accounts payable	735.88	885.10		2,866,548.71
Bank overdraft				152,636.59
Other liabilities			15.00	3,682,168.71
Total liabilities	3,125.43	433,263.49	3,932.47	47,223,655.70
RESERVES				
For equity in H-E.P.C. systems	3,989.73		6,865.12	20,663,398.10
For depreciation	4,067.64	125,808.53	3,701.29	12,419,822.83
Other reserves				1,532,276.37
Total reserves	8,057.37	125,808.53	10,566.41	34,615,497.30
SURPLUS				
Debentures paid	7,310.45	167,621.61	1,674.14	12,865,100.14
Local sinking fund				7,680,092.01
Operating surplus		216,443.88	5,310.20	11,356,103.66
Total surplus	7,310.45	384,065.49	6,984.34	31,901,295.81
Total liabilities, reserves and surplus	18,493.25	943,137.51	21,483.22	113,740,448.81
Percentage of net debt to total assets	25.6	45.9	26.9	46.3

"A"—Continued

Hydro Municipalities as at December 31, 1932

GEORGIAN BAY SYSTEM

Alliston 1,367	Arthur 993	Barrie 7,411	Beaverton 931	Beeton 552	Bradford 964	Brechin P.V.	Cannington 856
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	14,199.11	299.50	....	....	....	....
675.73	....	15,189.30	....	428.50	388.50	....	....
26,668.52	17,142.31	55,718.44	20,266.65	11,688.77	19,060.00	1,789.59	9,832.02
....	....	66,437.67	....	....	....	....	....
7,037.73	3,925.03	42,184.26	6,555.24	2,188.63	4,072.65	1,126.71	4,156.88
7,003.83	3,347.12	39,509.69	5,642.44	1,821.78	3,803.39	688.19	4,214.51
1,469.44	767.21	12,063.80	1,085.23	1,169.54	544.95	212.44	770.00
....	....	....	....	....	....	....	....
2,593.09	363.89	7,896.10	2,355.31	1,433.38	1,828.94	546.92	632.33
....	....	....	....	....	....	....	....
7,846.49	1,086.62	42,634.32	3,772.42	....	....	....	3,609.37
....	....	....	....	....	....	....	....
53,294.83	26,632.18	295,832.69	39,976.79	18,730.60	29,698.43	4,363.85	23,215.11
1,270.58	312.90	50.00	2,183.18	632.46	506.43	460.70	805.15
....	....	....	9,000.00	....	1,000.00	....	1,326.62
1,948.70	179.38	13,293.63	1,307.35	864.64	2,567.23	913.54	679.04
31.28	....	499.55	....	11.81	101.68	....	200.97
....	....	....	....	....	....	....	....
9,858.77	9,596.06	63,832.24	11,158.49	7,764.36	8,568.79	4,365.24	8,245.23
....	....	971.68	45.96	....	53.30	....	....
66,404.16	36,720.52	374,479.79	63,671.77	28,003.87	42,495.86	10,103.33	34,472.12
....	10,294.33	....	....	1,394.00	....	....	....
66,404.16	47,014.85	374,479.79	63,671.77	29,397.87	42,495.86	10,103.33	34,472.12
27,372.16	18,363.40	29,489.54	7,203.46	10,575.18	19,018.37	2,251.55	8,576.02
1,255.15	2,359.26	26,555.75	71.31	844.95	608.17	380.94	46.11
....	....	13,855.42	....	....	....	....	....
....	....	15.00	400.50	....	184.16	21.85	....
28,627.31	20,722.66	69,915.71	7,675.27	11,420.13	19,810.70	2,654.34	8,622.13
9,858.77	9,596.06	63,832.24	11,158.49	7,764.36	8,568.79	4,365.24	8,245.23
11,861.34	10,059.53	53,460.69	10,560.90	5,788.56	6,685.59	1,526.18	6,730.75
....	....	900.00	....	....	....	....	....
21,720.11	19,655.59	118,192.93	21,719.39	13,552.92	15,254.38	5,891.42	14,975.98
12,627.84	6,636.60	78,510.46	7,796.54	4,424.82	6,181.63	959.37	6,423.98
....	....	....	....	....	....	....	....
3,428.90	....	107,860.69	26,480.57	....	1,249.15	598.20	4,450.03
16,056.74	6,636.60	186,371.15	34,277.11	4,424.82	7,430.78	1,557.57	10,874.01
66,404.16	47,014.85	374,479.79	63,671.77	29,397.87	42,495.86	10,103.33	34,472.12
50.6	76.4	22.5	14.6	56.4	58.4	46.3	32.8

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Chatsworth	Chesley	Coldwater	Collingwood	Cookstown
Population	263	1,804	641	5,730	P.V.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	221.00	....	275.00	15,950.08	60.00
Substation equipment	....	595.98	....	11,203.24	392.95
Distribution system—overhead	4,452.10	19,871.35	7,478.22	47,682.09	9,065.60
Distribution system—underground	....	....	....	....	....
Line transformers	1,014.91	6,781.32	2,779.67	17,011.28	2,100.62
Meters	1,280.23	6,580.53	2,912.06	22,144.71	2,055.84
Street light equipment, regular	529.17	1,173.68	440.68	2,876.90	694.21
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	385.90	3,301.82	145.03	6,452.48	1,520.03
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	5,503.60	....	....	....
Other plants not distributed	....	....	....	....	....
Total plant	7,883.31	43,808.28	14,030.66	123,320.78	15,889.25
Bank and cash balance	3,064.78	15.00	1,387.98	100.00	1,734.00
Securities and investments	....	10,000.00	4,000.00	27,000.00	....
Accounts receivable	118.72	2,649.10	1,810.30	2,209.21	680.97
Inventories	....	286.36	....	619.95	....
Sinking fund on local debentures	2,942.95	....	....	....	....
Equity in H-E.P.C. systems	2,008.79	16,598.17	6,413.08	73,708.51	2,352.76
Other assets	....	91.53	....	....	....
Total assets	16,018.55	73,448.44	27,642.02	226,958.45	20,656.98
Deficit	....	....	....	....	575.96
Total	16,018.55	73,448.44	27,642.02	226,958.45	21,232.94
LIABILITIES					
Debenture balance	4,681.28	6,965.15	3,897.57	....	6,839.23
Accounts payable	95.78	287.62	876.51	....	....
Bank overdraft	....	1,419.01	....	6,465.59	....
Other liabilities	....	....	51.00	1,806.84	....
Total liabilities	4,777.06	8,671.78	4,825.08	8,272.43	6,839.23
RESERVES					
For equity in H-E.P.C. systems	2,008.79	16,598.17	6,413.08	73,708.51	2,352.76
For depreciation	2,653.06	12,604.48	6,434.01	37,263.44	5,380.18
Other reserves	....	....	....	....	....
Total reserves	4,661.85	29,202.65	12,847.09	110,971.95	7,732.94
SURPLUS					
Debentures paid	718.72	20,534.85	3,102.43	42,604.59	6,660.77
Local sinking fund	2,942.95	....	....	....	....
Operating surplus	2,917.97	15,039.16	6,867.42	65,109.48	....
Total surplus	6,579.64	35,574.01	9,969.85	107,714.07	6,660.77
Total liabilities, reserves and surplus	16,018.55	73,448.44	27,642.02	226,958.45	21,232.94
Percentage of net debt to total assets	16.6	15.3	22.7	5.4	37.3

"A"—Continued

Hydro Municipalities as at December 31, 1932

Creemore 606	Dundalk 655	Durham 1,779	Elmvale P.V.	Elmwood P.V.	Flesherton 462	Grand Valley 570	Gravenhurst 1,896
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	56.59	106.25	....	....	36.50	3,521.42
....	....	546.02	....	....	....	....	6,372.35
7,301.01	7,608.11	21,743.46	10,439.35	4,812.76	5,446.88	11,341.14	26,011.70
....	....	....	....	....	....	....	....
3,171.36	3,233.53	6,833.51	3,881.66	803.88	1,802.52	2,179.63	7,139.17
2,901.36	2,494.99	6,521.44	3,254.07	982.76	2,146.28	2,647.80	8,944.87
295.27	1,082.10	1,381.46	447.17	302.28	633.62	503.83	3,904.71
....	....	....	....	....	....	....	....
279.27	439.38	1,765.09	510.13	1,093.62	926.82	205.70	2,183.15
....	....	....	....	....	....	....	....
3,433.74	380.94	2,091.39	....	....	....	919.85	26,976.29
....	....	....	....	....	....	....	....
17,382.01	15,239.05	40,938.96	18,638.63	7,995.30	10,956.12	17,834.45	85,053.66
415.33	739.80	1,317.63	1,181.52	1,079.27	1,945.57	1,250.00	880.72
....	3,000.00	11,000.00	2,000.00	....	....	2,694.48	....
831.28	75.68	947.32	561.49	705.69	945.80	828.49	4,441.68
....	32.59	95.81	....	....	20.64	....	655.03
....	....	....	....	362.88	....	....	7,314.01
5,979.53	5,643.69	15,948.30	8,130.66	1,772.52	3,215.25	5,858.71	10,059.93
....	....	....	....	16.10	19.51	....	....
24,608.15	24,730.81	70,248.02	30,512.30	11,931.76	17,102.89	28,466.13	108,405.03
....	....	....	....	....	....	....	....
24,608.15	24,730.81	70,248.02	30,512.30	11,931.76	17,102.89	28,466.13	108,405.03
1,039.15	1,130.41	4,540.10	3,516.15	3,043.54	3,981.86	3,323.13	13,348.50
2,226.52	702.92	3,750.90	455.36	18.05	325.18	1,356.09	2,310.46
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
3,265.67	1,833.33	8,291.00	3,971.51	3,061.59	4,307.04	4,679.22	15,658.96
5,979.53	5,643.69	15,948.30	8,130.66	1,772.52	3,215.25	5,858.71	10,059.93
2,822.04	3,490.94	9,048.55	6,046.79	2,502.38	3,367.53	4,723.18	15,514.18
....	....	....	....	....	....	....	500.00
8,801.57	9,134.63	24,996.85	14,177.45	4,274.90	6,582.78	10,581.89	26,074.11
5,460.85	5,206.49	21,259.90	3,483.85	4,156.46	2,718.14	7,676.87	50,619.94
....	....	....	....	362.88	....	....	7,314.01
7,080.06	8,556.36	15,700.27	8,879.49	75.93	3,494.93	5,528.15	8,738.01
12,540.91	13,762.85	36,960.17	12,363.34	4,595.27	6,213.07	13,205.02	66,671.96
24,608.15	24,730.81	70,248.02	30,512.30	11,931.76	17,102.89	28,466.13	108,405.03
17.5	9.6	15.3	17.7	27.5	31.0	20.7	17.2

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Hanover	Holstein	Huntsville	Kincardine	Kirkfield
Population	3,102	P.V.	2,946	2,487	P.V.
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,001.32	....	353.52	6,389.46	....
Substation equipment	9,271.19	....	647.30	2,794.20	....
Distribution system—overhead	48,804.72	2,102.68	13,599.63	41,812.30	5,113.67
Distribution system—underground	....	....	....	....	....
Line transformers	16,896.78	555.22	6,420.12	10,747.62	557.90
Meters	15,266.87	514.82	8,388.11	10,165.44	630.49
Street light equipment, regular	2,326.30	168.69	2,262.52	5,200.12	379.00
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	5,362.52	205.93	625.20	5,492.30	301.53
Steam or hydraulic plant	....	....	....	....	....
Old plant	2,370.91	....	5,436.20	....	....
Other plants not distributed	....	....	....	....	....
Total plant	103,300.61	3,547.34	37,732.60	82,601.44	6,982.59
Bank and cash balance	1,704.59	187.70	4,145.67	50.00	854.12
Securities and investments	26,979.07	....	10,000.00	....	....
Accounts receivable	712.21	81.19	3,321.10	2,842.69	91.83
Inventories	140.61	54.81	1,417.05	1,426.07	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	41,326.56	1,861.02	26,959.82	15,686.70	1,559.23
Other assets	....	....	139.95	325.51	....
Total assets	174,163.65	5,732.06	83,716.19	102,932.41	9,487.77
Deficit	....	4,716.26	....	....	1,241.22
Total	174,163.65	10,448.32	83,716.19	102,932.41	10,728.99
Liabilities					
Debenture balance	39,270.43	439.33	3,080.07	34,270.83	3,248.53
Accounts payable	2,200.54	4,775.07	278.32	4,170.23	1,371.69
Bank overdraft	....	....	....	591.07	....
Other liabilities	....	....	465.00	....	....
Total liabilities	41,470.97	5,214.40	3,823.39	39,032.13	4,620.22
Reserves					
For equity in H-E.P.C. systems	41,326.56	1,861.02	26,959.82	15,686.70	1,559.23
For depreciation	33,795.33	1,050.18	11,298.59	13,634.80	1,798.07
Other reserves	....	....	....	....	....
Total reserves	75,121.89	2,911.20	38,258.41	29,321.50	3,357.30
Surplus					
Debentures paid	48,229.57	2,322.72	18,053.47	29,929.17	2,751.47
Local sinking fund	....	....	....	....	....
Operating surplus	9,341.22	....	23,580.92	4,649.61	....
Total surplus	57,570.79	2,322.72	41,634.39	34,578.78	2,751.47
Total liabilities, reserves and surplus	174,163.65	10,448.32	83,716.19	102,932.41	10,728.99
Percentage of net debt to total assets	31.2	134.7	6.7	44.7	58.3

"A"—Continued

Hydro Municipalities as at December 31, 1932

Lucknow 1,067	Markdale 819	Meaford 2,726	Midland 7,802	Mount Forest 1,914	Neustadt 448	Orangeville 2,764	Owen Sound 12,673
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	1,104.93	19,036.05	3,725.00	....	2,585.07	25,978.31
....	780.80	2,398.85	85,096.20	686.75	....	1,169.00	12,919.97
16,914.41	10,514.30	29,638.30	93,317.60	22,558.14	9,970.79	31,377.91	105,508.69
....	....	....	....	....	....	....	....
4,005.04	4,151.74	7,214.59	22,014.66	6,594.59	3,543.69	6,906.74	46,486.72
4,583.58	3,244.99	6,946.23	35,725.47	7,148.97	2,017.85	10,979.07	55,575.55
1,391.17	1,314.08	3,215.81	18,712.15	2,302.55	496.41	1,396.02	27,532.69
....	....	....	....	....	....	6,064.59	....
2,286.02	690.93	2,083.58	6,016.32	2,160.00	1,521.48	6,278.37	4,422.51
....	....	....	....	....	....	....	33,282.00
....	2,080.65	3,486.68	....	3,810.95	1,097.60	3,204.99	....
....	....	....	....	....	....	....	....
29,180.22	22,777.49	56,088.97	279,918.45	48,986.95	18,647.82	69,961.76	311,706.44
2,790.60	784.52	1,635.87	5,244.95	....	11.92	988.03	384.15
2,000.00	....	16,300.54	29,000.00	8,000.00	....	2,500.00	3,893.33
1,181.43	651.07	1,614.15	19,933.78	203.64	115.23	1,274.45	6,600.08
....	90.08	....	4,349.02	36.00	27.20	287.40	11,701.70
....	....	....	....	....	....	....	14,000.00
7,910.85	4,372.15	10,755.29	112,966.08	14,496.96	4,972.87	18,393.70	88,384.18
60.85	....	....	1,857.38	....	....	153.14	....
43,123.95	28,675.31	86,394.82	453,269.66	71,723.55	23,775.04	93,558.48	436,669.88
....	....	....	....	....	14,863.89	....	....
43,123.95	28,675.31	86,394.82	453,269.66	71,723.55	38,638.93	93,558.48	436,669.88
11,764.64	5,788.87	35,832.33	35,152.54	12,357.55	7,728.67	10,299.85	14,000.00
22.62	71.52	....	43,749.40	2,925.96	10,682.37	1,000.00	....
....	....	....	....	783.07	....	....	....
....	20.00	680.19	662.56	....	....	....	2,432.94
11,787.26	5,880.39	36,512.52	79,564.50	16,066.58	18,411.04	11,299.85	16,432.94
7,910.85	4,372.15	10,755.29	112,966.08	14,496.96	4,972.87	18,393.70	88,384.18
4,692.65	4,395.90	8,086.68	102,454.05	13,028.12	5,983.69	18,043.98	52,482.13
....	....	....	....	....	....	....	....
12,603.50	8,768.05	18,841.97	215,420.13	27,525.08	10,956.56	36,437.68	140,866.31
7,958.72	3,211.13	13,527.87	76,917.45	18,601.05	9,271.33	25,600.15	127,000.00
....	....	....	....	....	....	....	14,000.00
10,774.47	10,815.74	17,512.46	81,367.58	9,530.84	....	20,220.80	138,370.63
18,733.19	14,026.87	31,040.33	158,285.03	28,131.89	9,271.33	45,820.95	279,370.63
43,123.95	28,675.31	86,394.82	453,269.66	71,723.55	38,638.93	93,558.48	436,669.88
33.5	24.2	48.3	23.4	28.1	97.9	15.0	0.7

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality Population	Paisley 693	Penetanguishene 4,046	Port Elgin 1,300	Port McNicoll 875	Port Perry 1,130
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		2,151.00	86.25	202.60	
Substation equipment	1,933.26	7,076.39			2,564.65
Distribution system—overhead	11,462.94	41,208.17	25,180.81	7,403.68	18,899.72
Distribution system—underground					
Line transformers	1,602.53	15,499.02	5,062.84	1,322.48	4,391.61
Meters	2,899.07	13,526.73	5,848.74	2,497.83	3,836.86
Street light equipment, regular	1,045.51	3,510.13	2,027.10	232.99	1,037.90
Street light equipment, ornamental					
Miscellaneous construction expense	742.60	1,700.00	823.62	643.43	359.42
Steam or hydraulic plant					
Old plant	1,745.00		4,352.00		
Other plants not distributed					
Total plant	21,430.91	84,671.44	43,381.36	12,303.01	31,090.16
Bank and cash balance	1,665.20		4,641.80	429.17	1,125.22
Securities and investments	2,500.00	1,281.60	4,000.00		11,946.66
Accounts receivable	197.87	2,556.55	348.65	63.94	119.40
Inventories		581.34			
Sinking fund on local debentures					
Equity in H-E.P.C. systems	4,505.71	32,818.37	1,160.41	2,929.42	6,682.44
Other assets			48.73		
Total assets	30,299.69	121,909.30	53,580.95	15,725.54	50,963.88
Deficit					
Total	30,299.69	121,909.30	53,580.95	15,725.54	50,963.88
LIABILITIES					
Debenture balance	10,834.87	17,242.76	40,729.80	2,554.68	15,708.80
Accounts payable	1,141.50	3,801.66	3,983.02	929.59	1,219.46
Bank overdraft		2,069.72			
Other liabilities			20.00		170.00
Total liabilities	11,976.37	23,114.14	44,732.82	3,484.27	17,098.26
RESERVES					
For equity in H-E.P.C. systems	4,505.71	32,818.37	1,160.41	2,929.42	6,682.44
For depreciation	3,195.65	28,784.44	1,358.18	3,919.45	5,050.41
Other reserves					
Total reserves	7,701.36	61,602.81	2,518.59	6,848.87	11,732.85
SURPLUS					
Debentures paid	5,165.13	23,757.24	1,270.20	4,745.32	4,172.86
Local sinking fund					
Operating surplus	5,456.83	13,435.11	5,059.34	647.08	17,959.91
Total surplus	10,621.96	37,192.35	6,329.54	5,392.40	22,132.77
Total liabilities, reserves and surplus	30,299.69	121,909.30	53,580.95	15,725.54	50,963.88
Percentage of net debt to total assets	46.4	25.9	85.3	27.2	38.6

"A"—Continued

Hydro Municipalities as at December 31, 1932

Priceville P.V.	Ripley 450	Rosseau 291	Shelburne 1,129	Southampton 1,660	Stayner 951	Sunderland P.V.	Tara 454
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
68.00	....	....	800.00	....	....	....	....
....	....	....	566.60	....	200.00	....	....
4,661.78	9,975.19	7,036.26	14,703.90	17,290.97	11,576.32	4,158.87	10,941.22
....	....	....	....	....	....	....	....
702.86	3,540.24	2,065.73	5,643.20	5,389.89	5,036.75	1,365.63	1,895.40
380.00	1,434.83	948.71	6,278.50	6,902.86	5,084.38	1,998.01	1,683.81
139.88	844.33	390.03	1,059.60	1,958.73	966.80	554.63	430.59
....	....	....	....	....	....	....	....
833.90	1,164.99	495.59	2,283.26	761.17	321.33	178.02	1,269.05
....	....	....	....	....	....	....	....
....	....	....	739.50	2,604.00	4,132.41	2,030.00	....
....	....	....	....	....	....	....	....
6,786.42	16,959.58	10,936.32	32,074.56	34,907.62	27,317.99	10,285.16	16,220.07
790.45	502.78	....	1,025.73	7,260.37	189.96	....	1,699.53
....	....	....	5,000.00	....	6,000.00	1,000.00	....
33.14	291.86	301.59	627.40	1,023.26	657.96	753.66	61.56
....	26.04	....	55.12	....	....	....	....
....	....	....	....	....	....	....	....
715.36	3,380.80	453.18	8,941.63	1,258.10	7,710.78	5,670.65	4,195.42
....	26.36	....	....	50.96	....	....	22.27
8,325.37	21,187.42	11,691.09	47,724.44	44,500.31	41,876.69	17,709.47	22,198.85
6,391.02	....	....	....	....	....	....	2,946.71
14,716.39	21,187.42	11,691.09	47,724.44	44,500.31	41,876.69	17,709.47	25,145.56
3,248.52	10,771.15	....	5,628.58	30,955.00	2,251.16	3,325.37	6,440.44
5,517.13	15.00	10,722.17	906.23	10.70	934.87	274.24	31.50
....	....	311.27	....	....	....	532.69	....
....	40.00	....	....	....	....	....	....
8,765.65	10,826.15	11,033.44	6,534.81	30,965.70	3,186.03	4,132.30	6,471.94
715.36	3,380.80	453.18	8,941.63	1,258.10	7,710.78	5,670.65	4,195.42
1,483.90	2,759.81	204.47	9,336.58	1,146.00	8,340.62	2,898.56	5,418.64
....	....	....	....	....	....	....	....
2,199.26	6,140.61	657.65	18,278.21	2,404.10	16,051.40	8,569.21	9,614.06
3,751.48	3,200.79	....	14,291.42	2,045.00	11,748.84	3,474.63	9,059.56
....	....	....	....	....	....	....	....
....	1,019.87	....	8,620.00	9,085.51	10,890.42	1,533.33	....
3,751.48	4,220.66	....	22,911.42	11,130.51	22,639.26	5,007.96	9,059.56
14,716.39	21,187.42	11,691.09	47,724.44	44,500.31	41,876.69	17,709.47	25,145.56
115.2	60.8	98.2	16.9	71.6	9.3	34.3	35.9

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Teeswater	Thornton	Tottenham	Uxbridge	Victoria Harbor
Population	832	P.V.	575	1,591	1,160
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings				40.00	
Substation equipment	330.31		358.50	2,657.65	
Distribution system—overhead	17,032.99	6,403.82	8,055.08	13,142.53	8,613.56
Distribution system—underground					
Line transformers	4,746.02	860.41	1,117.48	3,680.12	1,278.18
Meters	3,315.65	796.76	2,109.02	4,475.05	2,252.25
Street light equipment, regular	1,406.90	381.95	460.17	1,214.74	337.47
Street light equipment, ornamental					
Miscellaneous construction expense	1,915.19	300.35	1,265.68	922.40	667.12
Steam or hydraulic plant					
Old plant	4,976.86		286.45		
Other plants not distributed					
Total plant	33,723.92	8,743.29	13,652.38	26,132.49	13,148.58
Bank and cash balance	145.93	66.03	1,164.17		340.97
Securities and investments	3,000.00			8,000.00	
Accounts receivable	370.42	301.97	264.43	737.72	320.01
Inventories			60.00	24.00	20.00
Sinking fund on local debentures					
Equity in H-E.P.C. systems	5,690.59	1,594.64	4,927.77	7,070.45	3,247.21
Other assets	36.28			70.77	17.87
Total assets	42,967.14	10,705.93	20,068.75	42,035.43	17,094.64
Deficit		4,611.27	3,073.45		
Total	42,967.14	15,317.20	23,142.20	42,035.43	17,094.64
LIABILITIES					
Debenture balance	13,289.85	3,814.33	8,013.40	12,833.72	1,467.47
Accounts payable	4,019.83	2,760.31	959.11	50.77	158.10
Bank overdraft				8.81	
Other liabilities			97.00		
Total liabilities	17,309.68	6,574.64	9,069.51	12,893.30	1,625.57
RESERVES					
For equity in H-E.P.C. systems	5,690.59	1,594.64	4,927.77	7,070.45	3,247.21
For depreciation	3,862.11	3,462.25	4,191.22	3,916.69	3,499.51
Other reserves					
Total reserves	9,552.70	5,056.89	9,118.99	10,987.14	6,746.72
SURPLUS					
Debentures paid	14,710.15	3,685.67	4,953.70	3,373.87	5,032.53
Local sinking fund					
Operating surplus	1,394.61			14,781.12	3,689.82
Total surplus	16,104.76	3,685.67	4,953.70	18,154.99	8,722.35
Total liabilities, reserves and surplus	42,967.14	15,317.20	23,142.20	42,035.43	17,094.64
Percentage of net debt to total assets	46.4	72.2	59.9	36.9	11.7

"A"—Continued

Hydro Municipalities as at December 31, 1932

Walkerton 2,310	Waubau-shene P.V.	Wiarton 1,881	Windermere 124	Wingham 2,201	Woodville 417	GEORGIAN BAY SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	....	....	8,423.66	....	108,670.62
....	....	....	....	4,699.84	....	171,944.03
37,774.70	5,527.88	21,247.36	9,020.05	40,391.70	2,970.40	1,131,333.11
....	....	....	....	....	....	66,437.67
10,375.64	1,347.08	5,014.83	2,852.40	15,284.10	2,105.49	368,255.53
10,107.85	1,551.50	5,615.34	813.36	13,740.26	2,030.59	392,213.29
2,276.74	221.79	1,950.58	247.26	3,371.64	217.55	125,330.21
....	....	....	....	....	....	6,064.59
2,094.91	345.66	1,616.39	....	5,029.03	275.21	100,313.39
....	....	....	....	14,711.99	....	47,993.99
5,238.00	....	3,981.00	....	12,320.02	2,182.50	164,330.75
....	....	....	....	....	....	....
67,867.84	8,993.91	39,425.50	12,933.07	117,972.24	9,781.74	2,682,887.18
4,918.07	2,067.86	3,234.17	345.40	30.00	168.80	71,926.73
....	....	....	....	9,000.00	6,500.00	227,922.30
785.60	249.72	1,031.04	876.80	2,685.95	369.99	92,212.58
541.53	12.24	....	....	4,037.19	....	27,443.07
....	....	....	....	....	....	24,619.84
2,420.21	1,837.30	1,754.92	520.04	16,204.62	5,725.22	762,139.73
....	10.39	80.83	....	72.12	....	4,171.49
76,533.25	13,171.42	45,526.46	14,675.31	150,002.12	22,545.75	3,893,322.92
....	....	....	....	....	....	50,108.11
76,533.25	13,171.42	45,526.46	14,675.31	150,002.12	22,545.75	3,943,431.03
61,094.72	815.61	....	....	39,054.46	3,100.61	685,564.69
....	63.20	35,177.64	12,670.89	32.84	438.02	201,592.53
....	....	....	....	692.01	....	26,728.66
10.00	....	5.00	862.50	365.00	....	8,309.54
61,104.72	878.81	35,182.64	13,533.39	40,144.31	3,538.63	922,195.42
2,420.21	1,837.30	1,754.92	520.04	16,204.62	5,725.22	762,139.73
2,196.00	2,018.29	1,313.94	621.88	19,647.34	1,862.57	609,756.98
....	....	....	....	....	....	1,400.00
4,616.21	3,855.59	3,068.86	1,141.92	35,851.96	7,587.79	1,373,296.71
1,905.28	2,684.39	....	....	57,051.04	2,399.39	863,617.69
....	....	....	....	....	....	24,619.84
8,907.04	5,752.63	7,274.96	....	16,954.81	9,019.94	759,701.37
10,812.32	8,437.02	7,274.96	....	74,005.85	11,419.33	1,647,938.90
76,533.25	13,171.42	45,526.46	14,675.31	150,002.12	22,545.75	3,943,431.03
82.4	7.8	80.4	95.6	30.0	21.0	28.9

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM

Municipality	Alexandria	Apple Hill	Athens	Bath	Belleville
Population	2,400	P.V.	666	343	13,914
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	202.00	169.06	....	....	36,115.70
Substation equipment	....	....	....	....	2,338.65
Distribution system—overhead	27,896.94	2,864.70	13,951.89	5,710.74	103,612.60
Distribution system—underground	....	....	....	....	....
Line transformers	8,036.69	1,288.37	1,757.05	1,011.93	22,655.24
Meters	7,283.68	971.95	2,479.53	619.26	53,997.98
Street light equipment, regular	2,224.20	421.12	698.90	554.37	17,214.86
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	5,146.07	210.33	1,011.61	543.73	6,198.58
Steam or hydraulic plant	....	....	....	....	....
Old plant	4,466.89	709.55	....	....	....
Other plants not distributed	....	....	....	....	....
Total plant	55,256.47	6,635.08	19,898.98	8,440.03	242,133.61
Bank and cash balance	1,530.06	38.54	1,083.97	11.24	4,486.67
Securities and investments	7,000.00	....	....	....	5,000.00
Accounts receivable	1,337.20	185.02	278.93	245.68	16,486.30
Inventories	....	....	....	....	6,695.86
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	15,644.86	1,487.73	1,963.21	197.12	47,019.61
Other assets	....	....	....	....	....
Total assets	80,768.59	8,346.37	23,225.09	8,894.07	321,822.05
Deficit	....	313.02	....	12.32	....
Total	80,768.59	8,659.39	23,225.09	8,906.39	321,822.05
LIABILITIES					
Debenture balance	22,296.56	3,652.63	12,256.51	7,500.00	58,000.00
Accounts payable	1,858.36	....	....	1,036.27	....
Bank overdraft	....	....	....	....	....
Other liabilities	466.23	....	....	15.00	4,954.72
Total liabilities	24,621.15	3,652.63	12,256.51	8,551.27	62,954.72
RESERVES					
For equity in H-E.P.C. systems	15,644.86	1,487.73	1,963.21	197.12	47,019.61
For depreciation	9,741.70	1,171.66	1,515.75	158.00	14,839.75
Other reserves	....	....	....	....	964.53
Total reserves	25,386.56	2,659.39	3,478.96	355.12	62,823.89
SURPLUS					
Debentures paid	25,837.28	2,347.37	1,743.49	....	118,000.00
Local sinking fund	....	....	....	....	....
Operating surplus	4,923.60	....	5,746.13	....	78,043.44
Total surplus	30,760.88	2,347.37	7,489.62	....	196,043.44
Total liabilities, reserves and surplus	80,768.59	8,659.39	23,225.09	8,906.39	321,822.05
Percentage of net debt to total assets	37.8	53.2	57.6	98.3	22.9

"A"—Continued

Hydro Municipalities as at December 31, 1932

Bloomfield	Bowmanville	Brighton	Brockville	Cardinal	Carleton Place	Chesterville
637	3,648	1,431	9,485	1,304	4,269	912
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
...	...	...	45,295.14	...	6,255.32	250.00
410.00	...	...	1,000.87	...	2,471.63	...
11,144.26	43,954.11	14,022.42	81,719.59	9,998.35	40,121.37	7,713.68
...	...	...	...	...	...	...
2,230.77	7,305.91	3,881.96	34,914.66	2,003.01	9,914.91	2,993.20
2,655.50	16,753.54	6,419.03	41,610.30	2,062.27	16,240.90	4,040.31
908.20	2,671.96	821.98	20,228.24	331.51	6,631.90	526.97
...	...	...	...	...	...	...
1,403.42	2,449.80	288.24	3,328.95	730.58	3,787.63	664.68
...	...	...	54,800.16	...	...	...
...	...	...	4,821.76	3,474.80	5,293.19	...
...	...	...	...	...	...	...
18,752.15	73,135.32	25,433.63	287,719.67	18,600.52	90,716.85	16,188.84
263.31	7,208.31	25.00	6,779.99	778.22	3,176.95	1,657.29
...	...	...	135,000.00	...	19,000.00	9,000.00
470.68	3,174.43	3,391.26	14,891.91	359.77	7,499.06	1,560.13
...	4,028.45	5,046.77	2,386.81	...	722.88	595.95
...	...	...	66,928.07	...	...	...
2,120.14	5,560.89	2,906.02	80,957.62	977.62	35,365.68	15,728.92
...	...	...	...	...	...	...
21,606.28	93,107.40	36,802.68	594,664 07	20,716.13	156,481.42	44,731.13
...	...	...	...	...	...	...
21,606.28	93,107.40	36,802.68	594,664.07	20,716.13	156,481.42	44,731.13
7,605.98	68,795.42	23,410.60	76,249.18	14,070.04	46,051.24	2,593.33
663.89	1,824.91	...	19,736.76	...	...	78.10
...	...	542.31	...	...	...	...
...	465.53	75.00	13.00	...	647.00	...
8,269.87	71,085.86	24,027.91	95,998.94	14,070.04	46,698.24	2,671.43
2,120.14	5,560.89	2,906.02	80,957.62	977.62	35,365.68	15,728.92
3,484.96	1,768.50	1,642.00	65,334.48	653.00	9,013.37	7,155.27
...	...	...	6,580.01	...	...	...
5,605.10	7,329.39	4,548.02	152,872.11	1,630.62	44,379.05	22,884.19
3,594.02	2,204.58	1,589.40	150,408.36	929.96	19,948.76	3,906.67
...	...	...	66,928.07	...	...	...
4,137.29	12,487.57	6,637.35	128,456.59	4,085.51	45,455.37	15,268.84
7,731.31	14,692.15	8,226.75	345,793.02	5,015.47	65,404 13	19,175.51
21,606.28	93,107.40	36,802.68	594,664.07	20,716.13	156,481.42	44,731.13
42.4	81.2	70.9	6.5	71.3	38.6	9.2

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Cobourg	Deseronto	Finch	Hastings
Population	5,478	1,356	358	653
ASSETS.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	....	....	....	....
Substation equipment	....	....	....	....
Distribution system—overhead	61,702.02	9,632.31	7,387.84	13,862.66
Distribution system—underground	....	....	....	....
Line transformers	15,455.82	1,442.62	1,393.35	1,771.80
Meters	21,402.04	4,771.27	1,728.20	2,742.98
Street light equipment, regular	7,914.50	432.60	348.90	1,140.61
Street light equipment, ornamental	....	....	....	....
Miscellaneous construction expense	1,004.14	233.88	23.24	715.80
Steam or hydraulic plant	....	....	....	....
Old plant	....	....	....	1,744.98
Other plants not distributed	....	....	....	....
Total plant	107,478.52	16,512.68	10,881.53	21,978.83
Bank and cash balance	....	1,091.23	2,565.34	1,601.74
Securities and investments	....	....	....	2,000.00
Accounts receivable	15,170.07	1,939.31	455.48	657.95
Inventories	4,762.55	470.44	....	....
Sinking fund on local debentures	....	....	....	....
Equity in H-E.P.C. systems	3,427.31	1,307.52	1,499.69	457.18
Other assets	....	....	....	26.02
Total assets	130,838.45	21,321.18	15,402.04	26,721.72
Deficit	....	....	....	....
Total	130,838.45	21,321.18	15,402.04	26,721.72
LIABILITIES				
Debenture balance	105,993.50	12,335.59	5,927.32	20,397.72
Accounts payable	2,097.79	....	....	210.07
Bank overdraft	....	....	....	....
Other liabilities	3,544.26	189.64	....	2.00
Total liabilities	111,635.55	12,525.23	5,927.32	20,609.79
RESERVES				
For equity in H-E.P.C. systems	3,427.31	1,307.52	1,499.69	457.18
For depreciation	2,091.00	569.92	885.00	592.60
Other reserves	3,291.15	....	....	....
Total reserves	8,809.46	1,877.44	2,384.69	1,049.78
SURPLUS				
Debentures paid	....	2,664.41	1,072.68	602.28
Local sinking fund	....	....	....	....
Operating surplus	10,393.44	4,254.10	6,017.35	4,459.87
Total surplus	10,393.44	6,918.51	7,090.03	5,062.15
Total liabilities, reserves and surplus	130,838.45	21,321.18	15,402.04	26,721.72
Percentage of net debt to total assets	87.6	62.6	42.6	78.4

"A"—Continued

Hydro Municipalities as at December 31, 1932

Havelock	Kemptville	Kingston	Lakefield	Lanark	Lancaster	Lindsay
1,082	1,227	22,534	1,458	573	590	7,174
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
...	...	184,945.77	214.79	...	...	10,477.65
572.90	...	45,599.79	...	...	...	3,176.56
19,583.50	19,297.68	163,621.84	21,739.65	5,954.76	6,402.26	69,460.42
...	...	134,365.59	...	...	...	...
2,259.82	5,741.67	56,238.61	5,304.00	898.05	962.35	19,891.90
5,387.88	6,264.49	97,956.34	7,117.99	1,702.49	1,415.88	30,086.84
1,842.33	1,063.16	69,831.13	1,876.16	682.38	650.65	10,279.48
...	...	...	...	...	...	...
4,443.97	6,274.40	48,582.51	3,875.20	321.60	1,068.55	1,706.06
...	...	...	...	...	...	...
2,420.45	...	14,386.30	3,445.25	...	...	...
...	...	...	...	...	...	...
36,510.85	38,641.40	815,527.88	43,573.04	9,559.28	10,499.69	145,078.91
1,863.93	1,512.31	90,853.17	6,004.27	1,310.69	311.26	16,013.56
7,000.00	20,000.00	89,175.00	10.000.00	1,982.05	...	46,500.00
110.49	4,236.22	32,194.09	158.31	402.60	36.81	1,078.35
...	1,029.96	11,397.44	...	...	...	498.83
...	...	87,164.85	...	...	...	...
4,797.36	8,652.10	...	3,781.43	2,714.19	3,717.90	28,066.59
...	...	1,000.00	...	22.16	...	...
50,282.63	74,071.99	1,127,312.43	63,517.05	15,990.97	14,565.66	237,236.24
...	...	...	...	...	6,215.72	...
50,282.63	74,071.99	1,127,312.43	63,517.05	15,990.97	20,781.38	237,236.24
18,213.20	18,907.55	173,428.51	26,761.71	3,898.44	4,008.52	113,054.60
383.86	3,336.88	1,132.03	1,065.39	...	4,824.71	3,378.24
...	...	...	...	...	...	...
...	...	271.00	340.17	...	58.50	1,740.51
18,597.06	22,244.43	174,831.54	28,167.27	3,898.44	8,891.73	118,173.35
4,797.36	8,652.10	...	3,781.43	2,714.19	3,717.90	28,066.59
6,269.47	6,026.22	108,774.62	9,065.63	1,591.15	2,209.85	13,604.07
...	...	122,937.53	...	...	...	...
11,066, 83	14,678.32	231,712.15	12,847.06	4,305.34	5,927.75	41,670.66
14,686.80	6,092.45	138,471.49	6,738.29	3,663.03	5,961.90	16,945.40
...	...	87,164.85	...	...	...	...
5,931.94	31,056.79	495,132.40	15,764.43	4,124.16	...	60,446.83
20,618.74	37,149.24	720,768.74	22,502.72	7,787.19	5,961.90	77,392.23
50,282.63	74,071.99	1,127,312.43	63,517.05	15,990.97	20,781.38	237,236.24
40.8	34.0	8.4	47.2	29.4	81.9	56.5

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Madoc	Marmora	Martintown	Maxville
Population	1,071	973	P.V.	747
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	100.00		126.15	
Substation equipment				407.79
Distribution system—overhead	7,969.57	12,584.38	2,703.12	11,411.15
Distribution system—underground				
Line transformers	2,157.50	2,296.49	690.33	1,495.94
Meters	4.593.76	3,358.68	794.22	2,465.30
Street light equipment, regular	1,500.00	1,088.59	335.26	1,605.64
Street light equipment, ornamental				
Miscellaneous construction expense	76.44	2,000.91	653.27	2,415.81
Steam or hydraulic plant				
Old plant		573.62		
Other plants not distributed				
Total plant	16,397.27	21,902.67	5,302.35	19,801.63
Bank and cash balance	3,012.87	4,014.82	1,582.77	
Securities and investments		749.37	1,000.00	
Accounts receivable	651.50	274.93	122.01	1,782.45
Inventories				
Sinking fund on local debentures				
Equity in H-E.P.C. systems	1,846.15	1,723.75	959.81	4,441.70
Other assets				
Total assets	21,907.79	28,665.54	8,966.94	26,025.78
Deficit				
Total	21,907.79	28,665.54	8,966.94	26,025.78
LIABILITIES				
Debenture balance	1,410.68	8,456.84	3,248.42	8,481.15
Accounts payable				378.53
Bank overdraft				643.85
Other liabilities		10.00	3.00	60.00
Total liabilities	1,410.68	8,466.84	3,251.42	9,563.53
RESERVES				
For equity in H-E.P.C. systems	1,846.15	1,723.75	959.81	4,441.70
For depreciation	765.15	3,556.41	1,096.87	3,310.21
Other reserves				
Total reserves	2,611.30	5,280.16	2,056.68	7,751.91
SURPLUS				
Debentures paid	12,589.32	9,209.27	2,751.58	7,518.85
Local sinking fund				
Operating surplus	5,296.49	5,709.27	907.26	1,191.49
Total surplus	17,885.81	14,918.54	3,658.84	8,710.34
Total liabilities, reserves and surplus	21,907.79	28,665.54	8,966.94	26,025.78
Percentage of net debt to total assets	7.0	31.4	40.6	44.3

"A"—Continued

Hydro Municipalities as at December 31, 1932

Napanee	Norwood	Omemee	Oshawa	Ottawa	Perth	Peterborough
2,981	742	457	23,687	127,332	3,915	22,798
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,173.32	...	...	56,776.03	337,378.21	6,851.01	75,202.75
...	457.53	360.32	...	658,855.64	3,932.82	98,652.41
37,373.45	23,152.45	10,633.31	182,653.27	692,352.41	45,093.51	205,415.38
...	...	...	...	212,771.51	...	...
8,297.91	4,462.72	2,668.47	39,575.80	294,229.53	22,379.75	95,301.23
15,830.87	5,219.90	2,411.69	97,468.07	273,417.52	20,791.86	92,537.96
3,674.06	1,848.52	528.89	15,348.87	116,240.85	3,939.32	53,399.73
...	...	...	...	...	...	...
3,062.10	3,971.41	1,540.92	6,853.71	34,065.49	4,509.55	54,680.49
...	...	...	...	...	...	...
...	2,447.51	...	8,831.65	...	23,610.69	29,771.74
...	...	...	...	...	...	...
70,411.71	41,560.04	18,143.60	407,507.40	2,619,311.16	131,108.51	704,961.69
1,067.11	6,021.16	1,310.55	27,420.06	1,694.59	12,582.80	60.00
...	4,000.00	...	...	38,000.00	35,000.00	25,000.00
6,773.02	297.74	204.61	50,556.15	79,847.91	6,407.86	25,765.25
5,478.12	...	...	10,178.33	21,378.46	7,483.42	4,724.62
...	...	...	...	610,835.04	...	203,350.04
10,888.37	2,285.20	...	151,491.31	38,711.28	29,643.76	96,111.68
...	...	...	251.52	...	...	157.20
94,618.33	54,164.14	19,658.76	647,404.77	3,409,778.44	222,226.35	1,060,130.48
...	...	...	...	...	...	...
94,618.33	54,164.14	19,658.76	647,404.77	3,409,778.44	222,226.35	1,060,130.48
37,416.50	28,787.18	4,763.99	260,735.72	930,230.19	57,346.08	527,920.00
...	89.18	...	37,537.57	33,946.46	...	11,088.89
...	...	...	...	84,837.36	...	30,986.45
500.51	247.07	67.00	16,616.98	...	1,690.47	...
37,917.01	29,123.43	4,830.99	314,890.27	1,049,014.01	59,036.55	569,995.34
10,888.37	2,285.20	...	151,491.31	38,711.28	29,643.76	96,111.68
3,816.15	8,182.56	5,542.69	28,375.75	872,267.17	32,044.34	83,017.06
2,938.22	...	...	15,302.08	141,282.13	...	7,020.20
17,642.74	10,467.76	5,542.69	195,169.14	1,052,260.58	61,688.10	186,148.94
32,583.50	8,312.82	7,236.01	49,264.28	49,769.81	51,053.92	...
...	...	...	...	610,835.04	...	203,350.04
6,475.08	6,260.13	2,049.07	88,081.08	647,899.00	50,447.78	100,636.16
39,058.58	14,572.95	9,285.08	137,345.36	1,308,503.85	101,501.70	303,986.20
94,618.33	54,164.14	19,658.76	647,404.77	3,409,778.44	222,226.35	1,060,130.48
45.3	56.1	24.6	63.5	15.9	30.6	48.2

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Picton	Port Hope	Prescott	Richmond	Russell
Population	3,140	4,601	3,078	376	P.V.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,405.07		2,761.54		
Substation equipment	2,004.66				
Distribution system—overhead	39,319.17	47,316.83	38,853.86	6,089.12	7,716.76
Distribution system—underground					
Line transformers	11,832.23	11,593.11	13,072.50	769.40	1,382.48
Meters	16,429.31	19,302.21	18,070.88	1,136.31	1,458.78
Street light equipment, regular	4,131.66	2,598.32	1,694.25	161.29	499.49
Street light equipment, ornamenal					
Miscellaneous construction expense	2,716.36	853.86	1,278.88	612.67	1,199.88
Steam or hydraulic plant					
Old plant	3,105.28		11,808.35		
Other plants not distributed					
Total plant	80,943.74	81,664.33	87,540.26	8,768.79	12,257.39
Bank and cash balance	2,000.30	114.72		187.13	962.16
Securities and investments	14,000.00		3,000.00		
Accounts receivable	6,716.83	857.10	5,495.41	325.65	1,486.73
Inventories	4,252.79	1,306.36			
Sinking fund on local debentures					
Equity in H-E.P.C. systems	16,322.07	13,778.49	22,626.61	625.24	2,519.15
Other assets					
Total assets	124,235.73	97,721.00	118,662.28	9,906.81	17,225.43
Deficit		3,793.23			
Total	124,235.73	101,514.23	118,662.28	9,906.81	17,225.43
LIABILITIES					
Debenture balance		30,770.09		5,727.07	7,629.09
Accounts payable	3,622.75	1,641.52	273.74	512.50	204.86
Bank overdraft			365.68		
Other liabilities	902.00	2,909.00			
Total liabilities	4,524.75	35,320.61	639.42	6,239.57	7,833.95
RESERVES					
For equity in H-E.P.C. systems	16,322.07	13,778.49	22,626.61	625.24	2,519.15
For depreciation	10,003.36	4,185.22	28,683.72	660.87	1,254.29
Other reserves	1,554.13				
Total reserves	27,879.56	17,963.71	51,310.33	1,286.11	3,773.44
SURPLUS					
Debentures paid	5,730.32	48,229.91	23,979.34	772.93	2,370.91
Local sinking fund					
Operating surplus	86,101.10		42,733.19	1,608.20	3,247.13
Total surplus	91,831.42	48,229.91	66,712.53	2,381.13	5,618.04
Total liabilities, reserves and surplus	124,235.73	101,514.23	118,662.28	9,906.81	17,225.43
Percentage of net debt to total assets	4.2	42.1	0.7	67.2	53.3

"A"—Continued

Hydro Municipalities as at December 31, 1932

Smiths Falls 7,486	Stirling 937	Trenton 6,288	Tweed 1,247	Warkworth P.V.	Wellington 904	Westport 675
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
19,928.85	8,410.00	5,114.41	....	....	200.00	....
4,745.66	7,042.12	23,080.03	....	....	499.80	....
85,527.40	5,007.22	81,491.57	10,164.77	5,488.18	14,624.05	7,125.76
....	....	....	....	....	....	....
24,637.41	3,732.12	19,422.24	3,002.41	684.66	3,652.05	974.17
32,081.70	4,759.69	24,739.28	4,696.02	1,495.28	5,168.68	1,353.44
9,296.63	1,020.00	13,459.54	1,020.60	299.74	1,131.40	526.70
....	....	....	....	....	....	....
6,895.68	1,426.88	3,275.16	421.31	612.19	777.28	1,285.76
38,001.49	....	....	....	....	....	....
21,548.48	....	....	....	3,618.02	2,477.92	1,713.00
....	....	....	....	....	....	....
242,663.30	31,398.03	170,582.23	19,305.11	12,198.07	28,531.18	12,978.83
5,177.81	4,166.14	10,957.41	....	647.65	10.00	2,595.70
42,000.00	5,225.57	....	....	2,500.00	5,000.00	....
6,338.48	1,328.60	5,376.54	1,219.52	85.69	735.57	808.77
367.58	1,273.49	6,688.92	1,642.78	....	....	....
....	....	....	....	....	....	....
46,715.99	2,277.14	7,609.07	1,650.84	1,174.16	3,134.43	472.49
....	....	....	....	....	....	....
343,263.16	45,668.97	201,214.17	23,818.25	16,605.57	37,411.18	16,855.79
....	....	....	....	....	....	....
343,263.16	45,668.97	201,214.17	23,818.25	16,605.57	37,411.18	16,855.79
81,843.12	....	159,876.69	13,708.63	9,622.87	11,708.37	14,569.81
....	....	....	984.78	193.36	5.14	....
....	....	....	321.65	....	1,847.65	....
10.00	....	2,343.42	265.00	....	....	....
81,853.12	....	162,220.11	15,280.06	9,816.23	13,561.16	14,569.81
46,715.99	2,277.14	7,609.07	1,650.84	1,174.16	3,134.43	472.49
57,059.77	9,072.18	3,209.00	1,516.13	1,002.32	4,798.78	199.00
....	....	....	....	....	....	....
103,775.76	11,349.32	10,818.07	3,166.97	2,176.48	7,833.21	671.49
115,781.88	10,000.00	5,123.31	5,291.37	1,377.13	5,291.63	430.19
....	....	....	....	....	....	....
41,852.40	24,319.65	23,052.68	79.85	3,235.73	10,625.18	1,184.30
157,634.28	34,319.65	28,175.99	5,371.22	4,612.86	15,916.81	1,614.49
343,263.16	45,668.97	201,214.17	23,818.25	16,605.57	37,411.18	16,855.79
27.6	0.0	83.8	68.9	63.6	39.6	88.8

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Concluded

Municipality	Whitby	Williamsburg	Winchester	EASTERN ONTARIO SYSTEM SUMMARY
Population	5,425	P.V.	980	
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	6,394.26	....	299.85	807,046.88
Substation equipment	34,200.41	....	....	889,809.59
Distribution system—overhead	44,676.56	2,229.19	9,527.84	2,397,855.87
Distribution system—underground	....	....	....	347,137.10
Line transformers	10,806.25	1,173.37	2,479.20	792,122.96
Meters	14,143.43	1,429.18	4,816.23	1,005,680.90
Street light equipment, regular	4,545.22	152.11	719.87	390,062.66
Street light equipment, ornamental	....	....	....	....
Miscellaneous construction expense	5,898.16	4.00	457.62	235,558.76
Steam or hydraulic plant	....	....	....	92,801.65
Old plant	1,340.13	....	1,100.00	152,709.56
Other plants not distributed	....	....	....	....
Total plant	122,004.42	4,987.85	19,400.61	7,110,785.93
Bank and cash balance	3,156.12	601.33	1,698.17	241,208.42
Securities and investments	....	2,500.00	7,000.00	536,631.99
Accounts receivable	4,113.67	824.92	1,150.06	315,867.02
Inventories	235.06	....	1,565.23	104,211.10
Sinking fund on local debentures	....	....	....	968,278.00
Equity in H-E.P.C. systems	16,234.96	1,952.97	9,717.34	753,264.65
Other assets	....	....	....	1,456.90
Total assets	145,744.23	10,867.07	40,531.41	10,031,704.01
Deficit	....	....	....	10,334.29
Total	145,744.23	10,867.07	40,531.41	10,042,038.30
LIABILITIES				
Debenture balance	40,148.50	410.16	6,489.76	3,096,709.06
Accounts payable	871.00	546.95	841.80	134,366.29
Bank overdraft	....	....	....	119,544.95
Other liabilities	698.97	233.47	5.00	39,344.45
Total liabilities	41,718.47	1,190.58	7,336.56	3,389,964.75
RESERVES				
For equity in H-E.P.C. systems	16,234.96	1,952.97	9,717.34	753,264.65
For depreciation	13,565.96	1,683.90	6,220.66	1,453,247.49
Other reserves	....	....	....	301,869.98
Total reserves	29,800.92	3,636.87	15,938.00	2,508,382.12
SURPLUS				
Debentures paid	36,464.00	2,339.84	4,160.24	1,025,040.98
Local sinking fund	....	....	....	968,278.00
Operating surplus	37,760.84	3,699.78	13,096.61	2,150,372.45
Total surplus	74,224.84	6,039.62	17,256.85	4,143,691.43
Total liabilities, reserves and surplus	145,744.23	10,867.07	40,531.41	10,042,038.30
Percentage of net debt to total assets	32.2	11.0	23.8	29.1

"A"—Concluded

Hydro Municipalities as at December 31, 1932

THUNDER BAY SYSTEM

Fort William 24,470	Nipigon	Port Arthur 19,430	THUNDER BAY SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.
48,927.62	215.03	382,519.98	431,662.63	9,503,743.78
123,522.89	...	240,367.20	363,890.09	22,288,781.68
160,415.19	12,931.10	437,648.59	610,994.88	20,866,767.32
...	...	...	...	5,820,056.75
65,256.83	2,534.59	66,401.59	134,193.01	9,392,662.62
60,726.87	2,344.61	88,817.55	151,889.03	8,403,251.67
30,016.55	606.24	76,448.56	107,071.35	2,257,618.20
...	...	...	...	1,545,354.93
6,284.58	93.53	30,374.96	36,753.07	4,120,926.11
...	...	344,260.10	344,260.10	498,231.69
293,762.46	...	...	293,762.46	4,989,654.97
...	...	...	...	200,000.00
788,912.99	18,725.10	1,666,838.53	2,474,476.62	89,887,049.72
24,381.56	1,520.93	169,463.63	195,366.12	3,185,442.00
...	...	595,211.12	595,211.12	2,059,325.10
27,381.55	1,054.65	98,572.33	127,008.53	3,683,059.42
...	...	17,611.05	17,611.05	1,232,209.52
160,838.32	...	265,382.44	426,220.76	9,099,210.61
198,429.14	1,144.42	687,753.77	887,327.33	23,066,129.81
...	...	1,097.18	1,097.18	163,637.79
1,199,943.56	22,445.10	3,501,930.05	4,724,318.71	132,376,063.97
...	...	...	...	74,172.88
1,199,943.56	22,445.10	3,501,930.05	4,724,318.71	132,450,236.85
415,500.00	7,309.40	405,921.13	828,730.53	45,133,305.97
47,404.18	214.40	262,598.47	310,217.05	3,512,724.58
...	...	...	...	298,910.20
10,553.41	...	...	10,553.41	3,740,376.11
473,457.59	7,523.80	668,519.60	1,149,500.99	52,685.316.86
198,429.14	1,144.42	687,753.77	887,327.33	23,066,129.81
62,961.00	2,505.00	353,883.72	419,349.72	14,902,177.02
9,605.93	...	57,156.36	66,762.29	1,902,308.64
270,996.07	3,649.42	1,098,793.85	1,373,439.34	39,870,615.47
252,150.00	2,690.60	236,178.87	491,019.47	15,244,778.28
160,838.32	...	265,382.44	426,220.76	9,099,210.61
42,501.58	8,581.28	1,233,055.29	1,284,138.15	15,550,315.63
455,489.90	11,271.88	1,734,616.60	2,201,378.38	39,894,304.52
1,199,943.56	22,445.10	3,501,930.05	4,724,318.71	132,450,236.85
37.2	35.3	15.8	21.2	43.4

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt	Ailsa Craig	Alvinston	Amherstburg
Population	1,930	P.V.	498	677	3,112
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	10,037.45	4,976.86	2,511.55	4,468.52	20,941.59
Commercial light service	3,846.04	1,131.69	1,501.39	2,764.10	7,312.97
Commercial power service	15,846.44	1,515.05	3,066.68	467.13	6,040.57
Municipal power	655.59				
Street lighting	1,797.00	737.44	583.85	1,854.00	2,305.00
Merchandise					
Miscellaneous	81.97	59.49	241.08	102.79	374.18
Total earnings	32,264.49	8,420.53	7,904.55	9,656.54	36,974.31
EXPENSES					
Power purchased	24,937.43	5,318.48	6,096.82	7,813.58	22,560.70
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	2,408.84	156.49	339.92	100.18	3,090.29
Line transformer maintenance	89.58				46.27
Meter maintenance	178.17				546.61
Consumers' premises expenses					
Street lighting, operation and maintenance	489.18	75.00	112.65	34.81	583.28
Promotion of business	6.67				
Billing and collecting			94.52	231.37	1,840.82
General office, salaries and expenses	1,020.14	311.79	55.72	215.18	838.31
Undistributed expenses	685.01		39.24	34.68	244.32
Truck operation and maintenance	286.97				322.92
Interest	63.41	295.98	1.61	797.05	1,583.13
Sinking fund and principal payments on debentures	618.65	531.88		993.72	1,236.93
Depreciation	1,304.00	350.00	474.00	573.00	1,774.00
Other reserves					
Total operating costs and fixed charges	32,088.05	7,039.62	7,214.48	10,793.57	34,667.58
Net surplus	176.44	1,380.91	690.07		2,306.73
Net loss				1,137.03	
NUMBER OF CONSUMERS					
Domestic service	481	141	128	159	637
Commercial light service	82	23	38	51	135
Power service	17	3	2	2	15
Total	580	167	168	212	787

"B"

Hydro Municipalities for Year Ended December 31, 1932

Ancaster Twp.	Arkona 397	Aylmer 1,998	Ayr 806	Baden P.V.	Beachville P.V.	Belle River 734	Blenheim 1,613
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8,788.44	2,604.53	11,389.62	4,769.78	3,643.54	2,875.09	3,730.65	8,539.11
1,986.58	1,693.54	7,125.42	1,693.41	1,564.54	840.07	2,173.98	6,523.05
568.17	987.58	3,795.32	470.00	5,029.47	9,137.61	476.94	4,099.42
286.94	....	1,113.70	....	....	....	976.57	1,373.48
1,029.78	960.00	2,320.00	1,018.00	520.00	517.00	705.00	2,507.00
....	....	....	....	....	....	....	....
....	2.66	1,108.90	12.69	65.74	608.52	207.21	216.98
12,659 91	6,248.31	26,852.96	7,963.88	10,823.29	13,978.29	8,270.35	23,259.04
7,526.26	4,402.26	15,818.66	5,523.77	8,717.33	13,483.21	4,605.31	15,379.26
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
1,516.71	97.43	3,451.73	116.09	296.70	389.15	393.77	1,872.92
188.94	....	....	18.16	....	71.06	....	286.29
138.30	26.36	188.13	145.46	....	99.18	44.06	203.50
....	....	....	....	....	....	....	....
200.76	75.79	152.13	196.38	190.62	95.34	89.33	403.93
....	....	....	....	....	....	....	....
....	180.21	598.18	541.59	397.09	293.15	323.63	907.00
1,577.51	141.50	1,160.92	19.05	79.50	49.56	167.47	1,122.14
....	....	246.42	15.00	36.42	29.32	38.37	597.14
....	....	....	....	....	....	....	....
562.55	600.94	1,294 13	383.57	125.58	145.14	372.82	611.89
274.62	533.85	1,213.79	333.34	199.68	212.65	368.29	449.85
793.00	310.00	1,370.00	530.00	370.00	615.00	595.00	1,310.00
....	....	....	....	....	....	....	....
12,778, 65	6,368.34	25,494.09	7,822.41	10,412.92	15,482.76	6,998.05	23,143.92
....	....	1,358.87	141.47	410.37	....	1,272.30	115.12
118.74	120.03	....	....	....	1,504.47	....	....
269	96	625	200	136	128	191	495
41	36	130	45	25	23	55	126
5	3	12	3	3	4	4	12
315	135	767	248	164	155	250	633

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality	Blyth	Bolton	Bothwell	Brampton	Brantford
Population	610	582	653	5,012	30,153
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,830.43	3,164.98	2,636.08	37,150.89	180,311.93
Commercial light service	1,805.95	949.11	1,330.35	16,475.40	61,036.75
Commercial power service	806.71	1,732.07	884.02	16,100.22	160,037.15
Municipal power	....	....	141.59	2.566.61	22,437.73
Street lighting	1,300.00	1,023.00	1,293.00	5,291.00	34,369.72
Merchandise	....	....	....	57.40	....
Miscellaneous	3.77	5.24	611.28	1,253.24	5,662.26
Total earnings	7,746.86	6,874 40	6,896.32	78,894.76	463,855.54
EXPENSES					
Power purchased	4,870.23	4,767.96	5,000.46	60,418.89	298,538.00
Substation operation	....	....	....	140.64	7,310.95
Substation maintenance	....	....	....	....	399.35
Distribution system, operation and maintenance	379.08	402.25	142.54	3,339.95	15,124.55
Line transformer maintenance	....	....	....	291.22	64.95
Meter maintenance	....	....	55.81	401.70	2,703.77
Consumers' premises expenses	....	....	....	....	405.67
Street lighting, operation and maintenance	73.28	201.61	111.43	473 37	3.406.75
Promotion of business	....	....	25 99	....	377.98
Billing and collecting	....	....	186.52	1,695.36	10,308.80
General office, salaries and expenses	177.25	425.86	120 07	1,138.13	12,273.43
Undistributed expenses	73.20	....	47.93	853.50	7,708.79
Truck operation and maintenance	....	....	....	596.95	3,279.59
Interest	594 80	361.25	203.02	930.52	29,448.70
Sinking fund and principal payments on debentures	936.26	509 75	160.66	2,908.19	*44,971 00
Depreciation	414.00	526.00	517.00	4,177.00	21,965.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	7,518.10	7,194.68	6,571.43	77,365.42	458,287.28
Net surplus	228.76	....	324.89	1,529.34	5,568.26
Net loss	....	320.28	....	....	....
NUMBER OF CONSUMERS					
Domestic service	162	159	170	1,367	7,317
Commercial light service	51	39	51	232	1,105
Power service	4	9	6	56	221
Total	217	207	227	1,655	8,643

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*Includes 9 months' operation and revenue from other plants not distributed.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 726	Burford P.V.	Burgess-ville P.V.	Caledonia 1,400	Campbell-ville P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
18,886.13	3,662.83	2,457.40	5,448.47	4,481.37	1,257.47	5,443.78	1,316.91
3,861.02	1,039.46	1,908.38	2,702.08	950.37	533.79	4,665.35	465.48
4,401.51	654.69	922.26	719.07	1,480.59	1,066.75	2,320.15	....
....	....	....	....	....	....	....	....
4,382.00	575.00	1,166.00	1,281.00	742.62	312.00	1,529.04	456.00
....	....	....	....	....	....	....	....
705.27	....	43.30	12.48	249.03	....	99.60	55.10
32,235.93	5,931.98	6,497.34	10,163.10	7,903.98	3,170.01	14,057.92	2,293.49
17,105.10	5,013.65	4,959.97	6,188.92	4,903.50	3,248.03	8,382.92	1,592.23
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
1,003.79	238.00	260.06	364.44	354.69	263.06	1,392.18	31.75
214.82	48.29	....	....	74.54	....	78.20	....
312.91	30.60	87.50	....	....	....	97.81	....
....	....	....	....	....	....	....	....
716.23	91.34	133.08	82.26	124.44	24.48	191.90	9.35
....	....	....	....	....	....	....	....
2,083.79	212.44	371.67	....	430.81	126.75	456.75	....
1,585.89	208.12	238.72	534.42	15.22	23.42	606.70	116.06
68.57	26.00	....	....	114.49	11.25	95.39	16.50
....	....	....	....	....	....	....	....
1,748.40	597.71	87.15	833.04	54.63	65.88	135.22	245.59
3,050.68	....	256.10	924.30	346.58	241.70	226.86	242.64
2,499.00	488.00	338.00	539.00	461.00	191.00	740.00	106.00
....	....	....	....	....	....	....	....
30,389.18	6,954.15	6,732.25	9,466.38	6,879.90	4,195.57	12,403.93	2,360.12
1,846.75	....	....	696.72	1,024.08	....	1,653.99	....
....	1,022.17	234.91	....	....	1,025.56	....	66.63
753	114	108	220	188	54	326	42
45	20	41	65	33	21	90	8
5	4	4	2	4	3	7	....
803	138	153	287	225	78	423	50

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Cayuga	Chatham	Chippawa	Clifford	Clinton
Population	660	16,434	1,243	515	1,873
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,235.95	80,191.86	7,120.10	2,319.73	11,900.80
Commercial light service	2,594.46	70,132.08	1,296.81	1,678.52	6,085.53
Commercial power service	1,444.69	55,752.04	771.52	126.44	4,463.98
Municipal power	....	4,716.21	848.86	....	935.26
Street lighting	1,386.00	18,943.77	1,092.00	854.00	1,986.98
Merchandise	....	100.74	....	....	....
Miscellaneous	....	888.18	....	26.05	1,053.31
Total earnings	8,661.10	230,724.88	11,129.29	5,004.74	26,425.86
EXPENSES					
Power purchased	4,627.37	121,779.94	5,353.91	3,568.37	16,154.88
Substation operation	....	6,943.33	....	....	....
Substation maintenance	....	2,416.10	....	....	....
Distribution system, operation and maintenance	585.50	8,118.34	1,142.13	23.49	412.45
Line transformer maintenance	9.00	1,128.46	....	....	33.58
Meter maintenance	11.00	5,075.91	42.62	18.50	276.56
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	137.10	3,637.09	212.69	26.07	93.72
Promotion of business	....	473.35	....	....	....
Billing and collecting	643.52	9,533.29	....	291.55	791.54
General office, salaries and expenses	181.82	15,049.36	678.62	78.00	2,540.03
Undistributed expenses	37.58	5,769.99	....	28.04	464.03
Truck operation and maintenance	....	1,935.27	....	....	144.84
Interest	833.77	15,387.37	502.20	395.82	2,389.65
Sinking fund and principal payments on debentures	834.38	13,560.28	701.84	160.65	1,305.66
Depreciation	545.00	15,205.67	862.00	268.00	1,816.00
Other reserves	....	2,886.93	....	....	....
Total operating costs and fixed charges	8,446.04	228,900.68	9,496.01	4,858.49	26,422.94
Net surplus	215.06	1,824.20	1,633.28	146.25	2.92
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	118	3,600	282	107	514
Commercial light service	54	720	36	41	134
Power service	4	104	7	1	15
Total	176	4,424	325	149	663

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Comber P.V.	Cottam P.V.	Courtright 353	Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 552	Dresden 1,451
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,459.02	2,611.33	1,773.94	1,829.01	1,338.99	2,579.49	3,042.64	6,152.73
2,427,19	1,525.83	1,005.87	963.88	709.57	862.89	1,849.18	5,256.48
2,919.95	630.70	105.06	1,118.61	....	285.28	1,192.08	5,031.97
....	....	762.31	....	....	....	....	428.06
732.00	450.00	774.00	492.00	264.00	649.00	750.00	1,834.34
....	....	....	....	....	....	....	....
69.85	43.76	14.51	83.16	143.12	102.96	294.55	134.12
8,608.01	5,261.62	4,435.69	4,486 66	2,455.68	4,479.62	7,128.45	18,837.70
6,319.88	2,712.56	2,898.41	3,159.05	1,407.12	2,942.24	5,459.42	11,734.79
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
192.16	120.53	8.07	46.70	47.81	20.26	241.32	1,353.40
....	....	....	....	....	13.06	....	....
36.45	242.39	....	....	....	31.94	26.41	....
....	....	....	....	....	....	....	....
67.48	111.13	43.50	41.81	17.34	95.39	61.00	259.25
....	....	....	....	....	....	....	....
378.77	....	....	84.78	....	229.04	....	576.28
399.13	434.66	203.83	....	130.00	9.61	246.61	830.75
53.63	....	....	20.25	....	11.25	36.53	92.15
....	....	....	....	....	....	....	....
151.91	415.78	281.96	136.07	123.03	138.47	439.09	103.81
448.69	337.36	559.86	105.75	138.01	141.25	271.68	658.50
417.00	325.00	207.00	196.00	155.00	322.00	492.00	841.00
....	....	....	....	....	....	....	....
8,465.10	4,699.41	4,202.63	3,790.41	2,018.31	3,954.51	7,274.06	16,449.93
142.91	562.21	233.06	696.25	437.37	525.11	....	2,387.77
....	....	....	....	....	....	145.61	....
98	103	55	66	53	126	154	372
49	30	23	26	16	28	55	120
3	1	2	1	....	1	5	13
150	134	80	93	69	155	214	505

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Drumbo	Dublin	Dundas	Dunnville	Dutton
Population	P.V.	P.V.	5,137	3,506	785
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,132.56	1,341.55	21,701.90	13,295.04	3,597.40
Commercial light service	982.73	925.35	11,804.96	11,581.89	2,632.86
Commercial power service	850.57	514.18	18,539.12	12,637.94	3,728.43
Municipal power	....	....	773.11	2,583.17	....
Street lighting	507.00	750.00	6,115.93	3,943.72	973.50
Merchandise	....	....	75.00	....	....
Miscellaneous	46.73	....	65.70	706.35	211.60
Total earnings	4,519.59	3,531.08	59,075.72	44,748.11	11,143.79
EXPENSES					
Power purchased	2,583.18	2,200.58	37,049.55	25,032.78	7,723.55
Substation operation	....	....	....	....	....
Substation maintenance	....	....	104.22	....	....
Distribution system, operation and maintenance	143.21	35.46	6,360.71	1,873.88	209.28
Line transformer maintenance	....	....	134.10	....	86.59
Meter maintenance	31.19	2.10	1,683.54	284.25	114.35
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	128.51	115.98	554.66	309.30	121.77
Promotion of business	....	....	....	....	15.05
Billing and collecting	168.42	143.50	1,179.08	....	454.25
General office, salaries and expenses	101.16	21.39	2,024.60	2,694.58	333.15
Undistributed expenses	13.25	22.25	942.67	288.95	66.94
Truck operation and maintenance	....	....	633.66	188.03	....
Interest	137.49	186.03	1,425.09	3,527.32	325.90
Sinking fund and principal payments on debentures	155.24	418.01	1,977.79	2,350.33	320.68
Depreciation	261.00	260.00	3,888.00	2,949.00	527.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	3,722.65	3,405.30	57,957.67	39,498.42	10,298.51
Net surplus	796.94	125.78	1,118.05	5,249.69	845.28
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	83	42	1,204	729	204
Commercial light service	24	20	199	196	74
Power service	2	3	38	33	7
Total	109	65	1,441	958	285

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

East Windsor 16,081	East York Twp.	Elmira 2,761	Elora 1,317	Embro 437	Erieau 260	Erie Beach 20	Essex 1,888
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
74,200.28	174,276.29	16,408.91	7,433.89	2,767.51	3,773.37	1,532.87	8,276.85
18,724.69	22,009.23	5,522.87	3,559.68	1,731.85	1,079.43	286.43	5,655.04
35,990.63	25,874.86	4,004.84	6,791.62	1,282.12	857.57	....	4,149.87
....	3,828.83	815.96	....	....	....	....	1,891.75
8,419.92	19,071.97	1,840.00	1,818.00	658.00	360.00	....	3,215.49
....	....	....	74.74	....	....	....	....
....	152.53	677.13	305.52	16.25	44	1.62	368.43
137,335.52	245,213.71	29,269.71	19,983.45	6,455.73	6,070.81	1,820.92	23,557.43
79,666.48	153,493.35	23,129.00	12,943.33	3,818.65	4,173.54	939.94	11,818.52
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
4,823.01	10,717.14	1,438.22	2,245.20	311.30	238.02	150.67	295.88
384.66	1,186.95	....	....	....	16.20	....	20.76
4,749.07	3,488.16	44.49	58.25	....	74.21	....	50.74
2,359.44	967.36	159.03	....	....	....	....	....
2,816.27	2,194.66	108.76	86.21	155.68	35.30	....	257.10
179.95	110.35	56.88	....	....	....	....	....
11,436.79	10,176.70	838.83	657.04	290.01	336.56	....	942.08
2,668.66	11 120.51	707.64	490.78	110.14	61.84	147.90	1,851.08
2,386.93	2,906.66	985.99	428.48	26.06	103.32	7.50	423.23
....	4,661.95	163.73	145.83	....	....	....	266.08
4,240.82	16,135.53	1,774.52	275.26	245.18	332.27	187.40	1,096.81
6,346.29	13,537.50	1,490.03	696.33	410.24	306.57	120.03	451.85
7,733.00	12,096.00	1,898.00	1,044.00	456.00	310.00	73.00	1,571.00
....	222.00	....	....	....	....	....	....
129,791.37	243,014.82	32,795.12	19,070.71	5,823.26	5,987.83	1,626.44	19,045.13
7,544.15	2,198.89	....	912.74	632.47	82.98	194.48	4,512.30
....	....	3,525.41	....	....	....	....	....
2,860	8,535	501	314	98	156	62	435
262	356	122	76	46	13	3	106
37	36	18	3	1	2	....	15
3,159	8,927	641	393	145	171	65	556

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Etobicoke Twp.	Exeter	Fergus	Fonthill	Forest
Population		1,622	2,585	833	1,425
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	89,959.94	11,747.51	15,488.79	4,995.94	10,790.20
Commercial light service	16,742.13	5,010.52	7,198.65	960.76	5,107.63
Commercial power service	12,430.10	4,341.40	9,337.85	316.58	4,414.48
Municipal power	2,294.81	546.34	897.56	227.70	1,002.97
Street lighting	12,958.52	1,981.56	2,718.41	1,063.75	2,321.00
Merchandise	....	....	....	....	....
Miscellaneous	1,019.46	579.22	....	....	611.61
Total earnings	135,404.96	24,206.55	35,641.26	7,564.73	24,247.89
EXPENSES					
Power purchased	79,543.58	14,886.59	23,627.66	4,067.21	15,596.96
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	7,645.06	760.06	1,221.30	569.81	1,399.77
Line transformer maintenance	1,185.65	46.50	15.74	....	....
Meter maintenance	758.85	275.25	439.63	114.23	235.28
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	1,308.98	332.03	436.95	31.18	481.29
Promotion of business	....	53.41	13.93	....	19.09
Billing and collecting	4,339.49	533.07	355.91	....	640.25
General office, salaries and expenses	3,873.25	2,834.28	1,126.45	503.93	1,819.72
Undistributed expenses	2,404.36	263.23	257.29	....	226.15
Truck operation and maintenance	1,856.64	244.36	291.06	....	340.92
Interest	12,346.57	504.32	1,316.06	1,070.73	704.08
Sinking fund and principal payments on debentures	10,936.36	914.73	2,682.89	968.78	1,001.72
Depreciation	9,916.00	1,342.00	1,450.00	455.00	1,372.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	136,114.79	22,989.83	33,234.87	7,780.87	23,837.23
Net surplus	....	1,216.72	2,406.39	....	410.66
Net loss	709.83	....	....	216.14	....
NUMBER OF CONSUMERS					
Domestic service	3,001	452	610	193	461
Commercial light service	247	119	113	27	133
Power service	26	10	15	4	21
Total	3,274	581	738	224	615

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Galt 13,960	George-town 1,997	Glencoe 767	Goderich 4,324	Granton P.V.	Guelph 21,201	Hagers-ville 1,285	Hamilton 150,065
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
105,155.34	13,898.39	5,625.60	29,003.83	1,850.91	102,151.29	4,945.37	924,806.69
43,334.59	5,686.35	3,408.41	13,430.86	995.19	46,424.45	4,705.53	358,727.52
73,769.17	21,464.11	1,939.89	12,435.37	880.92	94,290.38	19,130.75	1,403,670.20
4,186.52	527.16	1,226.02	3,020.62	....	9,558.16	....	68,836.31
22,414.88	2,115.33	1,934.00	3,791.50	370.00	20,199.01	1,732.00	118,954.03
....	....	....	....	....	....	18.82	....
3,375.74	485.71	18.63	130.02	129.76	2,077.85	685.23	46,224.38
252,236.24	44,177.05	14,152.55	61,812.20	4,226.78	274,701.14	31,217.70	2,921,219.13
161,017.52	34,503.01	10,615.89	42,511.06	3,157.59	203,591.38	22,369.48	2,009,947.40
4,432.52	....	....	1,617.97	....	3,272.09	....	68,481.07
133.15	....	....	....	....	....	....	15,337.43
1,769.01	1,658.02	452.56	2,782.89	58.71	9,112.72	2,461.71	46,150.73
736.66	4.65	....	638.55	....	2,100.79	17.25	9,547.88
3,228.31	140.87	....	495.73	123.51	3,662.62	86.78	17,079.59
....	....	....	....	....	....	....	13,992.42
3,084.61	349.81	219.21	427.94	52.31	6,871.78	188.25	14,400.77
1,757.50	....	....	....	....	920.22	....	19,881.96
3,102.67	....	552.41	643.27	127.62	5,095.67	576.20	48,871.29
3,072.82	2.957.77	486.99	3,047.97	64.21	7,643.67	609.77	51,317.37
9,226.99	239.80	72.09	685.13	18.75	4,602.83	195.90	42,393.87
567.15	630.48	242.89	253.81	....	1,739.85	565.37	....
16,903.72	789.79	577.88	2,809.09	141.84	2,888.44	194.83	244,150.52
17,664.28	722.09	930.29	2,123.43	112.43	5,460.45	355.97	285,141.94
22,285.00	1,922.00	869.00	4,969.00	215.00	12,795.00	1,063.00	122,386.00
....	....	....	....	....	....	....	....
248,981.91	43,918.29	15,019.21	63,005.84	4,071.97	269,757.51	28,684.51	3,009,080.24
3,254.33	258.76	....	....	154.81	4,943.63	2,533.19	....
....	....	866.66	1,193.64	....	....	....	87,861.11
3,554	666	222	1,169	82	4,964	305	36,639
494	121	82	242	31	738	102	5,177
112	25	6	18	1	139	16	1,308
4,160	812	310	1,429	114	5,841	423	43,124

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Harriston	Harrow	Hensall	Hespeler	Highgate
Population	1,301	907	745	2,711	334
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,649.31	8,738.71	4,139.83	18,802.31	1,899.23
Commercial light service	4,725.11	4,359.48	1,986.89	5,484.50	993.79
Commercial power service	5,175.22	5,169.54	2,899.27	32,081.11	1,314.85
Municipal power	469.52	....	....	998.39	....
Street lighting	1,265.13	1,215.25	996.00	2,846.58	561.00
Merchandise	....	....	....	....	....
Miscellaneous	....	16.35	164.63	145.38	146.67
Total earnings	19,284.29	19,499.33	10,186.62	60,358.27	4,915.54
EXPENSES					
Power purchased	12,621.73	12,427.12	7,190.02	47,597.24	3,461.40
Substation operation	....	....	....	392.55	....
Substation maintenance	....	....	....	43.60	....
Distribution system, operation and maintenance	1,385.07	193.35	283.78	2,872.09	232.11
Line transformer maintenance	....	99.64	....	69.61	....
Meter maintenance	118.25	351.58	33.11	105.28	22.30
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	137.26	297.08	139.12	530.15	109.96
Promotion of business	....	....	....	....	....
Billing and collecting	705.49	532.69	314.44	827.42	362.78
General office, salaries and expenses	264.93	221.87	472.33	1,255.56	132.55
Undistributed expenses	87.62	29.39	75.67	604.19	20.25
Truck operation and maintenance	239.66	....	....	158.48	....
Interest	734.55	563.61	427.45	2,129.46	169.81
Sinking fund and principal payments on debentures	1,525.91	490.50	434.98	2,593.57	157.20
Depreciation	913.00	667.00	600.00	2,423.00	317.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	18,733.47	15,873.83	9,970.90	61,602.20	4,985.36
Net surplus	550.82	3,625.50	215.72	....	....
Net loss	....	....	....	1,243.93	69.82
NUMBER OF CONSUMERS					
Domestic service	331	242	181	658	98
Commercial light service	100	76	58	105	35
Power service	13	5	13	28	6
Total	444	323	252	791	139

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Humberstone 2,419	Ingersoll 5,000	Jarvis 482	Kingsville 2,245	Kitchener 31,114	Lambeth P.V.	La Salle 609	Leamington 4,912
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,222.35	32,219.41	2,273.18	12,429.74	194,660.72	3,733.60	7,714.49	24,796.90
2,802.69	15,484.06	2,040.79	6,732.34	105,541.11	1,557.94	2,151.97	14,322.56
2,819.52	22,815.90	4,538.87	2,764.27	204,184.44	....	2,818.29	11,297.59
....	1,888.33	....	1,185.80	20,721.65	479.51	....	4,780.34
1,367.00	4,841.20	840.00	3,477.16	33,649.47	453.00	990.00	5,891.51
....	169.73	....	....	743.44	....	....	....
242.31	566.57	50.77	1,146.51	1,726.43	8.00	38.12	1,044.08
16,453.87	77,985.20	9,743.61	27,735.82	561,227.26	6,232.05	13,712.87	62,132.98
8,796.53	59,235.18	7,160.55	15,209.18	393,327.79	3,896.48	7,787.46	35,073.18
....	706.16	....	....	8,798.18	....	....	....
....	....	....	....	2,716.43	....	....	....
1,093.07	2,225.60	170.46	1,602.58	15,732.06	176.46	856.53	4,016.78
....	376.59	....	186.79	600.34	....	....	35.52
171.20	619.00	....	308.66	5,773.34	....	2.25	252.80
....	....	....	....	....	....	....	....
168.95	695.00	29.34	477.01	11,888.75	21.27	112.13	645.24
....	....	....	....	1,036.59	....	....	....
....	1,673.43	510.73	1,475.23	12,162.21	....	591.55	1,544.24
857.59	5,256.24	52.71	842.83	10,205.42	238.74	357.28	3,049.93
....	700.06	28.29	704.87	10,160.05	15.00	63.25	932.02
169.77	657.89	....	199.04	2,837.96	....	255.26	482.43
1,309.65	3,317.00	417.59	1,796.55	11,980.44	168.63	753.65	2,222.83
1,200.00	1,677.35	462.14	637.14	22,937.43	128.53	597.71	1,962.03
1,013.00	3,412.00	375.00	1,821.00	29,358.17	314.00	762.00	3,069.00
....	....	....	....	2,625.53	....	....	....
14,779.76	80,551.50	9,206.81	25,260.88	542,140.69	4,959.11	12,139.07	53,286.00
1,674.11	....	536.80	2,474.94	19,086.57	1,272.94	1,573.80	8,846.98
....	2,566.30	....	....	....	....	....	....
486	1,312	116	702	7,004	109	199	1,315
65	249	41	173	961	26	25	249
7	45	4	14	246	2	5	26
558	1,606	161	889	8,211	137	229	1,590

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Listowel	London	London Twp.	Long Branch	Lucan
Population	2,688	71,310		3,537	547
Earnings	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	17,844.57	484,819.17	10,836.52	23,730.14	5,022.45
Commercial light service	8,503.19	201,201.31	2,353.85	5,465.06	1,770.44
Commercial power service	11,705.38	344,339.45	1,410.34	1,048.94	951.78
Municipal power	1,501.38	54,655.00		909.54	
Street lighting	3,831.60	54,071.71	832.50	3,405.30	1,065.00
Merchandise					
Miscellaneous	498.93	28,956.59	164.91	494.21	274.39
Total earnings	43,885.05	1,168,043.23	15,598.12	35,053.19	9,084.06
Expenses					
Power purchased	31,133.77	735,627.73	10,302.89	19,906.12	5,092.31
Substation operation		16,168.96			
Substation maintenance	76.75	9,254.91			
Distribution system, operation and maintenance	2,319.46	6,199.04	507.26	3,653.08	993.49
Line transformer maintenance	12.26	2,852.42		101.59	
Meter maintenance	109.60	11,257.22	166.26	274.12	
Consumers' premises expenses		5,648.30			
Street lighting, operation and maintenance	326.93	10,811.01	219.71	409.17	99.10
Promotion of business		6,424.42			
Billing and collecting	775.48	24,629.18	492.76	2,071.02	331.27
General office, salaries and expenses	566.87	45,719.47	468.15	1,921.62	400.32
Undistributed expenses	504.75	10,829.28	22.73	869.09	76.30
Truck operation and maintenance	172.75	5,521.23			
Interest	642.49	35,416.23	705.70	2,453.14	241.46
Sinking fund and principal payments on debentures	1,628.95	74,869.17	912.62	1,431.29	246.43
Depreciation	2,408.00	88,813.77	662.00	2,071.00	600.00
Other reserves		10,663.24			
Total operating costs and fixed charges	40,678.06	1,100,705.58	14,460.08	35,161.24	8,080.68
Net surplus	3,206.99	67,337.65	1,138.04		1,003.38
Net loss				108.05	
Number of Consumers					
Domestic service	715	16,472	318	1,019	174
Commercial light service	153	2,802	20	104	44
Power service	22	488	3	4	7
Total	890	19,762	341	1,127	225

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Lynden P.V.	Markham 1,001	Merlin P.V.	Merritton 2,515	Milton 1,825	Milverton 1,064	Mimico 6,422	Mitchell 1,609
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,006.59	6,525.34	2,277.52	11,583.92	11,477.39	5,625.34	55,887.61	10,861.65
835.43	2,675.76	1,709.85	2,274.63	5,465.18	2,726.53	9,412.69	4,497.52
809.96	3,283.33	2,184.51	63,547.92	14,055.71	4,464.86	3,659.68	4,169.15
....	476.20	....	....	....	383.57	4,808.43	846.86
445.79	1,596.00	688.00	3,343.00	1,905.00	999.00	8,681.07	2,088.00
....	....	....	....	....	....	....	1,045.43
3.85	158.95	295.79	....	652.52	142.62	178.37	133.81
4,101.62	14,715.58	7,155.67	80,749.47	33,555.80	14,341.92	82,627.85	23,642.42
2,993.40	9,311.36	4,648.38	60,994.53	21,010.73	11,434.40	51,035.66	15,042.73
....	....	....	....	279.67	....	....	467.70
....	....	....	....	....	....	289.50	....
147.46	1,169.92	330.84	2,650.77	2,265.11	423.92	8,109.33	554.54
....	....	38.37	41.10	....	....	333.35	....
29.70	....	57.55	527.82	92.41	34.49	404.30	396.85
....	....	....	....	....	....	....	....
29.94	219.32	126.22	558.68	179.96	106.99	1,330.82	62.77
....	....	....	....	....	....	....	....
177.75	....	248.16	950.20	803.40	552.13	1,768.11	869.77
9.93	981.20	212.64	967.25	2,249.40	269.59	1,850.27	1,552.36
20.00	....	15.00	590.32	284.52	221.79	554.07	768.46
....	229.96	....	397.91	342.34	....	533.69	113.04
163.12	112.55	569.99	976.41	1,609.06	229.37	4,337.41	2.66
146.16	352.14	607.00	1,425.28	1,528.43	641.81	4,583.13	....
255.00	733.00	347.94	2,080.00	2,178.30	650.00	5,242.00	2,812.00
....	....	....	....	....	....	....	....
3,972.46	13,109.45	7,202.09	72,160.27	32,823.33	14,564.49	80,371.64	22,642.88
129.16	1,606.13	....	8,589.20	732.47	....	2,256.21	999.54
....	....	46.42	....	....	222.57	....	....
82	274	106	700	465	227	1,745	426
20	69	42	60	106	72	136	109
1	9	2	11	20	8	14	23
103	352	150	771	591	307	1,895	558

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Moore-field P.V.	Mount Brydges P.V.	Newbury 312	New Hamburg 1,462	New Toronto 6,437
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	928.00	2,892.63	1,296.42	10,630.73	34,424.55
Commercial light service	723.73	1,027.96	1,076.74	4,120.58	12,232.83
Commercial power service	1,316.10	922.86	843.97	4,036.33	100,983.26
Municipal power					10,133.30
Street lighting	375.00	490.00	720.00	2,256.95	8,647.98
Merchandise				357.65	
Miscellaneous	62.84	221.74	14.39		
Total earnings	3,405.67	5,555.19	3,951.52	21,402.24	166,421.92
EXPENSES					
Power purchased	2,711.38	3,542.35	2,440.19	14,882.44	138,972.75
Substation operation					
Substation maintenance				436.52	
Distribution system, operation and maintenance	38.37	439.87	124.34	430.36	6,141.90
Line transformer maintenance		44.96		92.39	280.67
Meter maintenance		60.73		339.60	756.21
Consumers' premises expenses					
Street lighting, operation and maintenance	39.26	37.60	40.33	303.70	2,097.32
Promotion of business					
Billing and collecting		174.31		588.82	2,641.02
General office, salaries and expenses	123.17	112.86	138.55	824.00	5,013.85
Undistributed expenses		24.00	20.25	170.62	1,284.16
Truck operation and maintenance				238.55	1,671.91
Interest	115.63	145.60	324.00	508.75	298.90
Sinking fund and principal payments on debentures	274.86	144.76	500.00	754.79	289.79
Depreciation	178.00	280.00	276.00	1,282.00	5,014.00
Other reserves					
Total operating costs and fixed charges	3,480.67	5,007.04	3,863.66	20,852.54	164,462.48
Net surplus		548.15	87.86	549.70	1,959.44
Net loss	75.00				
NUMBER OF CONSUMERS					
Domestic service	55	130	62	347	1,610
Commercial light service	29	40	27	92	167
Power service	2	3	2	13	28
Total	86	173	91	452	1,805

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Niagara Falls 18,678	Niagara-on-the-Lake 1,657	North York Twp.	Norwich 1,071	Oil Springs 448	Otterville P.V.	Palmerston 1,750	Paris 4,263
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
144,088.85	14,446.79	89,239.85	8,160.12	1,693.00	2,041.41	10,572.35	24,635.93
61,319.99	3,707.03	13,701.59	3,139.55	1,078.61	1,736.94	5,017.80	8,570.76
52,937.47	838.97	29,184.44	1,511.30	7,936.25	530.67	4,740.96	12,460.37
14,587.49	1,616.49	3,885.01	578.57	....	112.42	1,634.44	1,225.00
29,755.81	2,777.76	5,083.67	2,120.00	750.00	753.00	1,718.25	5,674.90
....	398.63	....	171.15	....	....	....	....
34.50	50.76	2,120.56	185.18	410.52	157.50	4.89	3,370.18
302,724.11	23,836.43	143,215.12	15,865.87	11,868.38	5,331.94	23,688.69	55,937.14
179,112.83	12,691.16	80,574.64	11,325.00	7,782.04	3,797.52	16,293.21	32,545.58
10,096.41	....	....	....	....	....	....	253.28
....	....	....	....	....	....	....	....
7,727.21	2,260.81	7,692.00	1,535.80	577.01	248.17	1,048.68	4,923.20
422.50	....	524.55	....	....	13.03	6.16	....
5,923.60	122.84	1,879.66	83.32	64.09	7.40	293.49	336.52
....	....	....	....	....	....	....	....
3,108.58	436.25	1,014.09	286.93	92.52	59.14	249.61	872.16
....	....	....	....	....	....	....	....
7,695.45	....	4,633.42	439.49	391.77	271.01	847.07	1,469.60
9,337.22	1,940.93	4,805.16	310.38	246.38	116.68	712.49	441.45
6,258.75	....	2,878.77	366.98	246.51	24.00	136.54	1,300.18
3,465.77	334.47	3,277.67	210.07	....	....	81.74	339.71
21,704.61	1,287.79	16,858.72	361.33	441.27	84.38	451.32	1,895.39
23,176.50	898.39	13,083.10	538.41	1,064.33	310.75	813.98	1,588.47
22,413.00	1,436.00	10,307.00	790.00	656.00	365.00	1,219.00	4,723.00
....	....	....	....	....	....	....	....
300,442.43	21,408.64	147,528.79	16,247.71	11,561.92	5,297.08	22,153.29	50,688.54
2,281.68	2,427.79	....	....	306.46	34.86	1,535.40	5,248.60
....	....	4,313.67	381.84	....	....	....	....
4,287	466	2,679	349	74	106	398	1,056
686	74	221	86	26	43	102	180
87	10	35	7	32	4	10	25
5,060	550	2,935	442	132	153	510	1,261

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population	968	2,431	P.V.	1,114	6,494
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,929.28	11,406.60	2,526.52	6,052.32	28,498.60
Commercial light service	3,088.29	6,379.26	1,075.00	1,786.59	12,601.87
Commercial power service	963.04	21,742.26	575.88	16,966.50	7,413.57
Municipal power	531.28	....	....	....	6,499.80
Street lighting	1,437.00	2,652.00	510.00	1,629.30	7,829.99
Merchandise	....	....	....	....	....
Miscellaneous	12.60	556.81	9.27	651.29	549.49
Total earnings	10,961.49	42,736.93	4,696.67	27,086.00	63,393.32
EXPENSES					
Power purchased	7,594.12	30,441.43	3,218.46	20,967.58	36,866.98
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	295.28	2,963.05	175.08	378.91	2,718.80
Line transformer maintenance	....	431.50	....	104.65	540.09
Meter maintenance	....	201.57	4.50	34.95	1,252.92
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	143.26	129.25	23.60	246.57	2,135.15
Promotion of business	....	....	....	....	1,586.22
Billing and collecting	291.16	504.10	164.80	....	1,756.01
General office, salaries and expenses	175.92	2,217.19	12.10	1,871.72	3,398.20
Undistributed expenses	30.36	380.37	20.25	....	608.75
Truck operation and maintenance	....	238.88	....	....	1,372.90
Interest	467.38	1,600.67	160.03	590.47	5,872.04
Sinking fund and principal payments on debentures	940.01	2,115.28	180.64	892.15	6,407.40
Depreciation	662.00	2,677.00	232.00	984.00	4,024.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	10,599.49	43,900.29	4,191.46	26,071.00	68,539.46
Net surplus	362.00	....	505.21	1,015.00	....
Net loss	....	1,163.36	....	....	5,146.14
NUMBER OF CONSUMERS					
Domestic service	240	679	98	296	1,222
Commercial light service	75	167	24	43	228
Power service	5	53	1	10	21
Total	320	899	123	349	1,471

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Port Credit 1,600	Port Dalhousie 1,394	Port Dover 1,584	Port Rowan 676	Port Stanley 694	Preston 6,173	Princeton P.V.	Queenston P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,416.24	12,985.94	8,019.11	3,431.75	12,117.75	44,740.49	2,317.28	2,669.09
4,754.90	2,498.83	4,944.95	1,949.94	3,248.87	17,012.71	689.89	264.46
716.78	4,316.92	5,832.62	117.40	4,417.28	34,971.22	3,026.47	765.67
1,178.13	....	....	....	692.65	943.60	....	....
2,680.00	1,630.00	2,569.00	1,242.00	1,963.44	4,973.62	481.00	566.16
....	....	....	....	....	....	....	....
66.17	....	....	....	258.26	572.36	21.26	32.00
21,812.22	21,431.69	21,365.68	6,741.09	22,698.25	103,214.00	6,535.90	4,297.38
15,891.33	14,104.74	13,015.85	4,161.42	13,473.60	70,252.02	5,060.62	2,397.16
....	....	....	....	....	4,284.65	....	....
....	....	....	....	....	....	....	....
987.55	1,443.40	575.19	92.46	2,286.13	4,631.23	137.23	2.00
....	....	17.97	....	81.18	367.08	....	....
70.30	63.19	141.26	17.80	355.49	776.69	1.70	....
....	....	....	....	....	....	....	....
365.67	194.15	390.08	37.53	156.19	765.56	30.43	72.20
....	....	4.27	....	....	....	....	....
1,116.24	699.92	419.89	242.07	659.62	1,638.54	230.57	....
329.73	599.66	243.28	192.47	509.91	1,202.09	2.34	343.92
113.04	122.84	133.26	28.36	137.91	1,111.62	15.00	....
....	291.98	....	....	226.05	399.46	....	....
456.78	748.16	1,084.09	1,096.09	450.57	3,126.20	108.47	370.49
495.36	1,054.83	1,975.92	377.51	782.25	5,817.32	122.46	439.50
1,399.00	892.00	1,203.00	324.00	1,163.00	7,840.00	235.00	301.00
....	....	....	....	....	....	....	....
21,225.00	20,214.87	19,204.06	6,569.71	20,281.90	102,212.46	5,943.82	3,926.27
587.22	1,216.82	2,161.62	171.38	2,416.35	1,001.54	592.08	371.11
....	....	....	....	....	....	....	....
399	590	464	97	572	1,548	78	65
75	58	130	35	78	233	19	10
5	10	12	1	16	51	3	1
479	658	606	133	666	1,832	100	76

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Richmond Hill	Ridgetown	Riverside	Rockwood	Rodney
Population	1,235	1,990	5,125	P.V.	738
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,425.30	9,433.23	39,734.22	3,076.71	3,393.12
Commercial light service	3,662.71	5,071.28	4,978.35	1,010.10	3,164.78
Commercial power service	2,375.93	4,060.91	6,991.71	293.69	1,842.26
Municipal power	383.77	823.04	3,236.57	....	....
Street lighting	1,389.00	3,367.46	4,181.42	750.75	1,028.72
Merchandise	76.96	30.77	....	....	....
Miscellaneous	98.69	672.67	135.70	25.42	151.02
Total earnings	15,412.36	23,459.36	59,257.97	5,156.67	9,579.90
EXPENSES					
Power purchased	9,760.31	16,302.84	37,467.54	3,969.46	6,615.99
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	1,414.79	1,170.63	1,749.56	226.42	322.35
Line transformer maintenance	....	27.50	257.51	....	....
Meter maintenance	....	150.75	1,955.67	8.36	287.33
Consumers' premises expenses	....	....	1,020.84	....	....
Street lighting, operation and maintenance	203.45	284.99	1,317.61	89.61	191.50
Promotion of business	....	....	62.80	....	....
Billing and collecting	....	970.27	3,913.97	....	390.81
General office, salaries and expenses	691.68	894.05	1,435.71	516.21	236.43
Undistributed expenses	....	393.62	1,066.52	....	38.24
Truck operation and maintenance	....	111.42	....	....	....
Interest	290.29	425.41	3,666.09	125.00	299.71
Sinking fund and principal payments on debentures	644.47	337.41	3,548.71	75.61	261.97
Depreciation	505.00	1,290.00	3,711.00	419.00	406.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	13,509.99	22,358.89	61,173.53	5,429.67	9,050.33
Net surplus	1,902.37	1,100.47	....	....	529.57
Net loss	....	....	1,915.56	273.00	....
NUMBER OF CONSUMERS					
Domestic service	331	550	1,102	144	198
Commercial light service	64	141	50	35	71
Power service	15	24	8	2	7
Total	410	715	1,160	181	276

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

St. Catharines	St. Clair Beach	St. George	St. Jacobs	St. Marys	St. Thomas	Sandwich
25,645	114	P.V.	P.V.	4,032	16,582	11,408
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
145,074.32	2,154.10	2,777.28	3,581.79	30,749.98	105,753.69	86,747.73
47,241.11	1,415.56	894.23	1,157.09	9,399.75	46,918.27	17,751.29
77,607.95	441.44	2,188.36	802.86	16,486.01	45,284.12	12,838.00
....	....	....	....	2,675.17	5,424.26	....
22,252.82	....	304.00	460.00	3,545.54	14,615.28	9,668.67
....	....	....	....	58.08	....	317.32
4,670.78	....	103.10	142.08	532.39	2,774.08	1,839.36
296,846.98	4,011.10	6,266.97	6,143.82	63,446.92	220,769.70	129,162.37
181,021.24	3,120.61	5,639.19	5,021.85	46,801.18	148,015.87	94,386.14
5,972.96	....	....	....	1,350.00	6,568.45	....
....	....	....	....	157.26	340.38	....
15,127.53	348.71	27.91	38.81	1,941.87	8,100.48	1,111.68
1,371.74	1.56	....	....	398.28	656.80	342.42
5,318.50	121.03	55.50	25.15	800.65	1,606.75	902.06
297.39	34.96	....	....	....	1,436.33	....
3,750.28	....	57.70	52.16	1,289.75	1,700.11	1,849.10
1,185.75	....	....	....	....	75.43	....
10,378.32	204.60	497.36	....	1,368.03	4,100.73	5,466.44
10,716.79	31.54	62.68	372.88	1,345.69	12,316.96	5,998.81
5,061.14	117.47	49.88	15.00	739.31	5,611.41	2,079.54
4,916.63	....	....	....	383.20	2,315.85	1,107.82
13,008.47	249.17	208.07	137.93	2,413.98	1,783.03	6,706.29
12,602.59	311.90	204.76	364.16	2,748.50	5,006.36	6,096.49
16,628.00	302.00	304.00	333.00	4,163.00	12,120.00	5,501.00
....	....	....	....	....	....	....
287,357.33	4,843.55	7,107.05	6,360.94	65,900.70	211,754.94	131,547.79
9,489.65	....	....	....	....	9,014.76	....
....	832.45	840.08	217.12	2,453.78	....	2,385.42
6,396	48	133	104	1,030	3,974	2,302
707	7	35	28	194	641	198
147	2	3	6	41	78	27
7,250	57	171	138	1,265	4,693	2,527

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Sarnia	Scarboro' Twp.	Seaforth	Simcoe	Springfield
Population	17,540		1,688	5,263	387
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	104,014.86	94,006.56	10,759.68	19,137.87	1,711.37
Commercial light service	48,013.12	17,553.61	5,506.36	24,353.79	694.73
Commercial power service	162,863.53	8,705.47	4,631.68	23,769.40	1,421.47
Municipal power	....	11,356.48	668.24	2,685.70	....
Street lighting	18,322.96	16,208.44	1,788.00	4,383.91	550.00
Merchandise	218.85	....	443.52	....	....
Miscellaneous	1,912.75	410.95	667.23	1,144.08	383.75
Total earnings	335,346.07	148,241.51	24,444.71	75,474.75	4,761.32
EXPENSES					
Power purchased	227,119.74	81,757.32	15,919.83	43,974.09	3,473.71
Substation operation	5,788.77	....	....	526.98	....
Substation maintenance	1,368.46	70.17	8.60	....	....
Distribution system, operation and maintenance	8,028.15	5,452.14	2,335.65	3,885.05	217.52
Line transformer maintenance	1,908.70	1,584.73	87.48	112.69	....
Meter maintenance	2,860.45	1,380.93	59.29	1,329.68	....
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	4,875.16	2,603.78	313.56	1,070.48	39.15
Promotion of business	464.74	....	....	....	....
Billing and collecting	5,905.49	5,261.14	821.74	1,750.31	316.78
General office, salaries and expenses	12,120.54	6,545.86	370.48	1,983.64	31.60
Undistributed expenses	6,381.07	3,104.21	241.32	438.71	30.33
Truck operation and maintenance	2,699.22	1,879.32	117.09	765.88	....
Interest	10,079.91	11,762.41	1,269.49	3,095.35	218.59
Sinking fund and principal payments on debentures	19,287.40	12,647.85	445.75	2,802.01	159.87
Depreciation	17,030.00	10,358.00	1,717.00	3,185.00	326.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	325,917.80	144,407.86	23,707.28	64,919.87	4,813.55
Net surplus	9,428.27	3,833.65	737.43	10,554.88	....
Net loss	....	....	....	....	52.23
NUMBER OF CONSUMERS					
Domestic service	4,496	4,343	485	1,084	89
Commercial light service	623	350	116	306	36
Power service	85	38	15	38	4
Total	5,204	4,731	616	1,428	129

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Stamford Twp.	Stouffville 1,117	Stratford 18,626	Strathroy 2,870	Sutton 805	Tavistock 995	Tecumseh 2,550	Thamesford P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
51,865.70	7,278.39	150,119.36	20,186.60	8,156.87	7,320.11	14,163.53	2,428.02
7,006.93	2,783.22	52,937.52	10,600.21	3,473.05	2,121.18	3,018.22	1,450.24
3,609.35	711.37	47,550.41	8,957.66	1,318.98	8,020.32	2,473.94	2,898.03
1,862.46	....	10,741.17	1,443.88	....	414.49	....	....
7,997.37	1,764.00	16,434.00	4,343.46	1,906.50	1,212.00	1,049.50	517.00
534.98	....	....	208.81	....	....	....	....
....	286.52	5,766.46	941.53	114.10	268.76	....	386.09
72,876.79	12,823.50	283,548.92	46,682.15	14,969.50	19,356.86	20,705.19	7,679.38
36,897.99	7,972.42	203,032.78	29,007.73	8,774.27	18,111.49	12,549.14	5,632.60
396.11	....	4,600.36	231.45	....	....	....	....
....	....	1,287.02	46.98	....	....	....	....
4,183.10	652.33	6,335.76	1,274.35	309.99	477.13	1,216.96	204.68
89.80	....	919.72	99.98	....	15.85	106.29	94.22
644.15	....	2,434.28	465.71	....	142.41	1,088.05	44.03
....	....	....	....	....	....	392.25	....
961.62	177.45	3,742.71	553.48	151.36	230.00	369.80	49.77
....	....	1,424.10	....	....	....	28.73	....
3,693.39	....	5,612.85	1,030.65	....	643.49	1,789.81	107.50
4,031.25	423.71	4,756.07	2,206.74	665.85	153.05	246.61	156.20
1,930.77	....	7,686.98	469.82	....	77.17	517.99	28.00
2,064.86	....	870.88	386.74	....	....	....	....
9,764.43	526.62	21,775.00	1,946.62	1,042.34	202.56	1,457.10	105.99
10,008.67	1,433.95	10,022.36	2,480.33	1,276.40	187.74	1,236.33	195.90
5,695.00	478.00	19,230.00	3,209.00	783.00	746.00	1,429.00	419.00
....	....	....	....	....	....	....	....
80,361.14	11,664.48	293,730.87	43,409.58	13,003.21	20,986.89	22,428.06	7,037.89
....	1,159.02	....	3,272.57	1,966.29	....	....	641.49
7,484.35	....	10,181.95	....	....	1,630.03	1,722.87	....
1,654	327	4,335	797	385	260	499	119
74	83	640	170	82	71	50	38
12	4	140	27	5	5	4	7
1,740	414	5,115	994	472	336	553	164

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Thamesville	Thedford	Thorndale	Thorold	Tilbury
Population	786	515	P.V.	5,068	1,929
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,947.55	2,923.17	1,394.97	19,233.01	7,083.69
Commercial light service	3,230.42	1,926.26	1,007.23	6,480.51	7,659.86
Commercial power service	1,951.04	554.57	243.22	27,371.79	9,174.68
Municipal power	256.21	....	....	3,526.63	390.56
Street lighting	1,191.00	1,035.00	382.10	3,551.00	1,563.72
Merchandise	....	....	....	....	....
Miscellaneous	322.31	79.20	....	....	558.05
Total earnings	10,898.53	6,518.20	3,027.52	60,162.94	26,430.56
EXPENSES					
Power purchased	6,880.14	4,419.09	2,780.38	46,990.75	16,785.27
Substation operation	....	....	....	2,204.96	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	528.76	198.53	14.00	2,697.11	1,965.35
Line transformer maintenance	....	....	....	....	....
Meter maintenance	175.89	....	3.75	547.32	55.55
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	225.46	97.07	33.78	552.71	117.82
Promotion of business	....	....	....	....	....
Billing and collecting	319.39	172.38	65.53	1,220.52	515.16
General office, salaries and expenses	323.80	74.85	2.70	655.38	581.19
Undistributed expenses	57.26	38.35	20.25	574.85	241.92
Truck operation and maintenance	....	....	....	388.64	....
Interest	294.95	639.13	85.27	32.67	474.02
Sinking fund and principal payments on debentures	535.00	803.28	82.92	640.88	601.20
Depreciation	705.00	361.00	220.00	2,615.00	1,069.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	10,045.65	6,803.68	3,308.58	59,120.79	22,406.48
Net surplus	852.88	....	....	1,042.15	4,024.08
Net loss	....	285.48	281.06	....	....
NUMBER OF CONSUMERS					
Domestic service	218	129	62	1,180	428
Commercial light service	79	39	23	190	137
Power service	7	3	1	15	15
Total	304	171	86	1,385	580

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Tillsonburg 3,287	Toronto 621,596	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Walkerville 11,351	Wallaceburg 4,501
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
14,747.42	3,735,109.87	59,049.56	14,465.91	5,856.62	102,105.01	18,336.77
12,767.44	2,989,958.80	14,120.05	632.39	....	31,822.21	10,345.93
9,716.28	3,299,006.51	7,181.69	554.08	....	139,568.63	43,023.73
863.71	1,323,981.04	....	....	....	....	1,593.86
3,283.55	528,737.84	4,975.20	....	....	12,746.46	4,477.82
39.58	....	....	....	....	....	....
1,090.23	266,601.46	915.97	81.00	64.61	4,468.17	945.09
42,508.21	12,143,395.52	86,242.47	15,733.38	5,921.23	290,710.48	78,723.20
27,198.12	6,401,270.00	47,830.64	7,513.60	2,523.24	202,171.68	59,617.67
978.68	228,712.99	....	....	....	6,844.65	246.60
....	241,920.13	....	....	....	1,550.89	....
3,063.34	387,990.45	4,293.72	2,415.30	547.60	3,737.26	1,772.30
148.34	42,390.21	110.09	....	....	293.02	337.99
428.02	114,408.85	700.83	121.11	22.35	3,426.75	893.40
....	308,403.82	....	....	....	1,664.11	....
415.75	132,745.80	610.79	....	....	2,988.95	540.67
....	195,797.83	....	....	....	7,232.31	524.04
848.15	351,700.92	3,201.58	....	....	6,939.40	1,967.01
3,259.85	373,814.80	4,340.97	1,328.43	512.05	10,732.65	2,143.07
771.70	*135,469.45	1,319.26	148.46	49.21	4,674.99	1,581.13
496.92	....	1,493.03	401.82	....	1,920.93	691.64
613.98	1,552,368.90	4,132.64	707.41	523.43	9,807.61	2,879.82
988.29	1,185,200.09	4,846.92	880.28	....	14,477.60	2,597.82
3,033.00	794,694.43	7,897.00	1,074.00	259.00	15,927.00	4,627.00
....	26,356.80	....	....	....	....	....
42,244.14	12,473,245.47	80,777.47	14,590.41	4,436.88	294,389.80	80,420.16
264.07	....	5,465.00	1,142.97	1,484.35	....	....
....	329,849.95	....	....	....	3,679.32	1,696.96
873	150,428	1,713	279	132	2,468	1,010
228	26,093	180	2	....	321	223
32	5,163	23	12	....	96	29
1,133	181,684	1,916	293	132	2,885	1,262

*Includes $45,817.88 York Twp. debenture charges.

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Wardsville	Waterdown	Waterford	Waterloo	Watford
Population	182	887	1,096	8,550	915
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,125.21	5,830.34	6,762.81	58,917.14	6,754.27
Commercial light service	1,163.68	1,740.68	1,807.72	21,678.50	3,408.05
Commercial power service		2,046.16	3,776.92	25,849.06	2,588.70
Municipal power		228.23	236.26	3,427.50	388.50
Street lighting	700.00	930.00	1,608.00	7,475.66	1,341.84
Merchandise				342.87	.32
Miscellaneous	60.21		374.26		282.71
Total earnings	3,049.10	10,775.41	14,565.97	117,690.73	14,764.39
EXPENSES					
Power purchased	2,142.57	6,926.25	12,071.03	80,395.25	10,810.82
Substation operation				3,299.28	
Substation maintenance				200.10	
Distribution system, operation and maintenance	92.55	534.54	468.30	3,559.20	818.89
Line transformer maintenance		99.41		23.73	
Meter maintenance		42.98	63.60	858.99	63.71
Consumers' premises expenses					
Street lighting, operation and maintenance	40.81	99.78	288.78	802.14	103.67
Promotion of business					
Billing and collecting		457.71	549.10	1,996.59	524.35
General office, salaries and expenses	182.60	226.42	367.77	3,618.52	672.47
Undistributed expenses		193.23	65.80	812.99	25.21
Truck operation and maintenance				1,370.64	254.14
Interest	327.40	94.17		3,478.59	161.32
Sinking fund and principal payments on debentures	389.47	494.23		4,367.78	675.47
Depreciation	227.00	770.00	957.00	8,338.00	713.00
Other reserves				200.00	
Total operating costs and fixed charges	3,402.40	9,938.72	14,831.38	113,321.80	14,823.05
Net surplus		836.69		4,368.93	
Net loss	353.30		265.41		58.66
NUMBER OF CONSUMERS					
Domestic service	52	224	302	1,852	280
Commercial light service	23	36	70	250	79
Power service		7	10	65	5
Total	75	267	382	2,167	364

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Welland	Wellesley	West Lorne	Weston	Wheatley	Windsor	Woodbridge	Woodstock
10,338	P.V.	812	4,618	765	68,079	786	10,840
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
51,243.01	2,751.98	3,346.87	38,349.66	4,817.06	494,148.42	5,916.60	77,151.03
30,114.92	1,129.38	1,567.00	9,498.51	2,888.15	244,324.22	1,610.71	39,570.84
60,032.45	1,717.36	1,758.02	29,227.20	1,772.87	180,644.38	3,916.97	47,163.07
3,933.07	....	....	2,883.69	446.76	11,701.36	406.71	3,101.55
11,052.52	720.00	1,010.04	7,847.45	1,856.00	76,272.21	830.04	8,003.40
....	....	....	....	....	....	....	151.63
5,401.96	25.25	....	302.77	114.50	....	9.67	4,320.02
161,777.93	6,343.97	7,681.93	88,109.28	11,895.34	1,007,090.59	12,690.70	179,461.54
95,529.18	5,309.33	4,355.37	65,255.14	7,136.61	607,443.60	10,041.33	132,317.71
4,912.80	....	....	248.96	....	17,166.33	....	2,524.02
550.09	....	....	447.42	....	9,059.66	....	102.10
7,203.41	308.23	181.04	4,729.85	1,009.93	18,630.12	444.23	5,702.80
382.40	....	5.44	276.87	21.68	3,053.27	....	58.12
3,382.51	....	15.87	301.36	141.17	11,443.48	....	989.63
120.29	....	....	....	....	22,553.21	....	....
1,668.01	61.52	154.46	1,282.03	353.23	17,713.17	169.86	2,227.85
211.09	....	....	....	....	11,155.30	....	....
4,208.64	....	538.07	....	362.02	37,034.84	....	3,408.65
9,015.70	481.29	185.73	3,867.19	250.00	27,850.53	560.75	5,002.66
2,304.33	92.88	17.30	913.66	47.92	18,374.71	....	3,104.45
1,587.74	....	....	647.87	....	14,980.47	....	942.84
15,845.16	183.47	338.52	2,275.97	530.91	75,062.22	567.30	3,504.03
9,681.01	488.62	242.52	2,862.78	572.18	81,029.09	276.38	2,606.72
11,968.53	290.00	570.00	4,660.00	559.00	63,220.00	672.00	11,240.00
....	....	....	....	....	....	....	....
168,570.89	7,215.34	6,604.32	87,769.10	10,984.65	1,035,770.00	12,731.85	173,731.58
....	....	1,077.61	340.18	910.69	....	....	5,729.96
6,792.96	871.37	....	....	....	28,679.41	41.15	....
2,247	110	191	1,232	184	14,434	229	2,895
433	39	53	174	56	2,290	41	467
78	6	3	29	4	326	7	90
2,758	155	247	1,435	244	17,050	277	3,452

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Concluded

Municipality	Wyoming	*York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population	475		P.V.	
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	2,542.85	504,558.79	3,199.76	9,289.139.75
Commercial light service	1,769.55	57,152.14	2,032.88	5,193,755.09
Commercial power service	209.06	92,725.72		7,510,882.57
Municipal power				1,676,243.47
Street lighting	750.00	51,422.17	693.00	1.394,716.81
Merchandise				5,636.42
Miscellaneous	8.17	12,255.27	115.82	428,708.53
Total earnings	5,279.63	718,114.09	6,041.46	25,499,082.64
EXPENSES				
Power purchased	3,832.79	323,898.38	4,868.08	15,208,493.90
Substation operation		25,411.14		426,220.48
Substation maintenance				288,317.22
Distribution system, operation and maintenance	157.57	19,443.64	207.26	784,186.43
Line transformer maintenance		3,470.62		81,729.50
Meter maintenance		5,286.65		241,906.42
Consumers' premises expenses		26,378.49		359,455.42
Street lighting, operation and maintenance	53.61	8,949.90	44.43	280,587.34
Promotion of business		4,885.97		251,105.95
Billing and collecting	125.00	40,013.33	190.96	677,084.30
General office, salaries and expenses	197.10	29,660.56	20.40	780,874.73
Undistributed expenses	21.89	26,362.32	24.00	337,296.80
Truck operation and maintenance				86,614.51
Interest	188.15	163,474.09	224.94	2,279,691.90
Sinking fund and principal payments on debentures	707.11	20,697.65	165.56	2,037,378.48
Depreciation	367.00	19,182.00	361.00	1,551,538.81
Other reserves				42,954.50
Total operating costs and fixed charges	5,650.22	717,114.74	6,106.63	25,715,436.69
Net surplus		999.35		
Net loss	370.59		65.17	216,354.05
NUMBER OF CONSUMERS				
Domestic service	122		121	359,878
Commercial light service	47		47	58,344
Power service	2			10,708
Total	171		168	428,930

*For year ended December 31, 1931. Included in Toronto figures. Not added in Summary

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

GEORGIAN BAY SYSTEM

Alliston	Arthur	Barrie	Beaverton	Beeton	Bradford	Brechin	Cannington
1,367	993	7,411	931	552	964	P.V.	856
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8,829.32	4,625.59	51,192.96	7,101.87	3,658.83	6,164.08	1,039.57	5,012.57
4,530.56	3,690.53	30,472.73	2,468.24	2,589.06	3,379.21	942.21	2,453.03
1,709.99	1,634.13	14,964.21	2,073.01	2,604.02	3,019.75	1,060.85	635.87
1,243.01	172.42	905.20	....	....	334.72	....	....
2,070.00	1,782.00	5,950.00	994.02	1,185.00	1,206.00	576.00	967.00
....	....	132.80	....	4.44	....	....	....
106.93	.33	1,677.29	718.12	15.18	107.70	20.70	156.18
18,489.81	11,905.00	105,295.19	13,355.26	10,056.53	14,211.46	3,639.33	9,224.65
13,001.59	10,446.56	81,840.97	8,915.90	8,898.22	9,034.73	2,681.22	6,991.51
....	....	....	....	....	....	....	....
....	....	553.14	....	....	....	....	....
850.92	496.55	4,383.59	707.72	75.45	401.80	412.68	611.63
....	....	161.71	....	....	....	....	....
....	....	695.44	....	....	....	....	....
....	....	....	....	....	....	....	....
223.91	70.03	1,638.94	288.68	48.94	106.08	67.80	134.88
....	....	....	....	....	....	....	21.06
773.25	....	3,471.01	....	....	....	....	....
78.25	429.07	1,211.39	754.16	416.26	906.08	110.30	618.60
142.42	....	1,148.61	....	....	....	....	....
....	....	701.19	....	....	....	....	....
1,846.88	1,107.59	2,991.09	435.68	550.04	1,238.47	247.63	535.91
1,307.49	680.59	2,569.55	562.23	425.73	788.05	93.31	575.74
1,320.00	883.00	6,737.00	1,124.00	560.00	867.00	132.00	625.00
....	....	....	....	....	....	....	....
19,544.71	14,113.39	108,103.63	12,788.37	10,974.64	13,342.21	3,744.94	10,114.33
....	....	....	566.89	....	869.25	....	....
1,054.90	2,208.39	2,808.44	....	918.11	....	105.61	889.68
352	178	1,850	289	122	213	43	243
103	75	347	64	39	64	41	69
16	4	43	10	6	8	4	12
471	257	2,240	363	167	285	88	324

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Chatsworth	Chesley	Coldwater	Colling-wood	Cooks-town P.V.
Population	263	1,804	641	5,730	
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,362.79	8,684.71	2,852.51	27,536.36	2,279.66
Commercial light service	1,217.78	4,226.90	1,605.84	10,759.87	1,366.48
Commercial power service		8,476.33	4,227.24	21,818.02	889.30
Municipal power		827.83		1,787.66	
Street lighting	451.00	1,596.00	571.00	3,376.00	952.00
Merchandise		44.23		174.41	
Miscellaneous	79.49	667.38	300.27	1,502.75	44.71
Total earnings	3,111.06	24,523.38	9,556.86	66,955.07	5,532.15
EXPENSES					
Power purchased	2,221.63	18,143.46	8,326.00	55,113.05	2,988.37
Substation operation					
Substation maintenance				42.65	
Distribution system, operation and maintenance	59.81	573.47	339.53	1,595.74	154.94
Line transformer maintenance				47.81	
Meter maintenance				134.27	
Consumers' premises expenses					
Street lighting, operation and maintenance	39.90	163.47	67.40	290.78	64.20
Promotion of business					
Billing and collecting		337.55		2,854.05	
General office, salaries and expenses	249.32	780.41	363.67	2,891.07	262.35
Undistributed expenses				584.81	
Truck operation and maintenance		28.00		332.12	
Interest	285.47	565.06	255.36	838.64	492.63
Sinking fund and principal payments on debentures	211.59	1,830.81	253.33	1,916.24	778.31
Depreciation	245.00	1,154.00	508.00	3,620.00	476.00
Other reserves					
Total operating costs and fixed charges	3,312.72	23,576.23	10,113.29	70,261.23	5,216.80
Net surplus		947.15			315.35
Net loss	201.66		556.43	3,306.16	
NUMBER OF CONSUMERS					
Domestic service	70	427	137	1,413	105
Commercial light service	24	107	54	265	32
Power service		21	3	54	4
Total	94	555	194	1,732	141

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Creemore 606	Dundalk 655	Durham 1,779	Elmvale P.V.	Elmwood P.V.	Flesherton 462	Grand Valley 570	Gravenhurst 1,896
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,725.15	2,584.72	6,259.06	2,664.97	1,114.90	2,613.29	3,530.97	7,790.76
1,901.19	2,276.72	4,090.64	1,756.38	566.88	1,706.59	2,494.77	5,989.79
1,478.67	2,141.36	4,992.61	3,052.77	1,373.45	98.47	1,362.92	7,179.42
....	....	759.38	137.74	....	....	....	637.94
590.16	980.00	1,824.00	660.00	483.00	574.00	832.00	2,064.07
....	....	....	....	....	....	....	286.53
190.41	220.00	563.81	175.64	53.02	32.78	174.40	....
6,885.58	8,202.80	18,489.50	8,447.50	3,591.25	5,025.13	8,395.06	23,948.51
6,218.36	6,565.03	14,039.59	6,219.99	2,780.52	4,023.75	6,969.24	16,145.27
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
258.55	860.85	736.02	643.58	11.73	80.22	125.94	1,061.59
....	....	....	....	....	....	....	84.00
....	....	....	16.05	....	....	....	33.45
....	....	....	....	....	....	....	....
57.07	131.43	139.39	60.65	18.36	62.62	62.73	386.81
14.27	....	....	....	....	....	....	....
....	....	....	200.72	....	....	....	400.92
222.97	614.52	2,000.64	73.80	173.33	408.39	550.68	1,368.36
....	....	719.18	28.00	....	....	....	343.70
....	....	294.68	....	....	....	....	199.55
353.50	97.37	490.55	203.50	242.86	411.66	243.07	772.78
475.81	337.70	1,223.51	266.24	401.96	251.16	716.64	2,335.59
379.00	419.00	1,103.00	765.00	228.00	322.00	492.00	1,611.00
....	....	....	....	....	....	....	....
7,979.53	9,025.90	20,746.56	8,477.53	3,856.76	5,559.80	9,160.30	24,743.02
....	....	....	....	....	....	....	....
1,093.95	823.10	2,257.06	30.03	265.51	534.67	765.24	794.51
153	160	408	151	56	138	153	454
52	72	105	57	18	50	49	115
4	4	11	9	1	2	3	13
209	236	524	217	75	190	205	582

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Hanover	Holstein	Huntsville	Kincardine	Kirkfield
Population	3,102	P.V.	2,946	2,487	P.V.
Earnings	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	19,145.73	1,431.91	11,876.98	13,935.63	775.61
Commercial light service	6,690.48	608.13	7,075.02	6,721.08	950.76
Commercial power service	17,331.20	248.41	13,619.70	5,650.02	205.40
Municipal power	292.74		1,126.67	1,380.95	
Street lighting	3,488.16	490.00	2,665.80	4,258.34	461.13
Merchandise			495.73		
Miscellaneous	1,568.41		744.24	42.05	1.56
Total earnings	48,516.72	2,778.45	37,604.14	31,988.07	2,394.46
Expenses					
Power purchased	35,067.35	2,376.90	27,104.98	22,522.96	1,853.67
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	2,075.16	2.80	3,047.03	1,398.60	219.25
Line transformer maintenance	28.92		28.95		
Meter maintenance	191.55		22.25		
Consumers' premises expenses					
Street lighting, operation and maintenance	86.73	0.65	244.92	245.40	21.00
Promotion of business				127.24	
Billing and collecting	1,116.52		390.48	871.31	
General office, salaries and expenses	880.85	177.30	1,221.13	622.22	36.39
Undistributed expenses	479.05		558.48	547.19	
Truck operation and maintenance	194.10		116.84	219.93	
Interest	2,645.06	218.97	225.30	2,168.04	277.17
Sinking fund and principal payments on debentures	4,983.59	202.64	647.51	2,992.87	309.61
Depreciation	3,144.00	105.00	1,040.00	1,978.00	197.00
Other reserves					
Total operating costs and fixed charges	50,892.88	3,084.26	34,647.87	33,693.76	2,914.09
Net surplus			2,956.37		
Net loss	2,376.16	305.81		1,705.69	519.63
Number of Consumers					
Domestic service	712	55	565	583	30
Commercial light service	119	17	124	113	18
Power service	19	1	10	19	1
Total	850	73	699	715	49

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Lucknow 1,067	Markdale 819	Meaford 2,726	Midland 7,802	Mount Forest 1,914	Neustadt 448	Orangeville 2,764	Owen Sound 12,673
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7,098.99	3,608.51	12,817.08	35,890.02	7,307.96	2,215.42	12,974.32	59,590.65
2,956.21	2,538.76	6,551.13	14,078.91	5,154.42	1,215.97	7,716.99	35,076.30
3,180.32	762.58	3,511.10	54,526.15	3,295.86	87.63	6,869.79	39,308.82
396.73	81.00	748.89	3,041.01	1,205.87	....	1,301.65	....
1,573.00	699.85	3,474.04	6,219.17	2,370.00	975.00	4,129.00	10,976.59
....	....	....	....	....	....	71.31	419.47
170.82	244.49	506.59	1,721.29	503.44	....	156.05	1,105.42
15,376.07	7,935.19	27,608.83	115,476.55	19,837.55	4,494.02	33,219.11	146,477.25
11,567.80	5,962.09	18,372.73	101,690.53	17,747.06	3,652.45	25,657.01	117,498.91
....	....	....	2,164.88	....	....	....	4,369.78
....	....	....	1,243.21	....	....	....	....
251.51	182.56	1,097.89	3,552.27	1,281.28	55.71	1,106.91	5,258.83
....	....	148.24	575.56	....	....	....	1,112.81
....	....	21.75	1,902.91	....	....	107.20	1,844.30
....	....	....	....	....	....	....	....
48.95	59.81	144.43	935.55	362.44	56.43	511.96	2,827.79
....	....	....	470.02	....	....	....	....
....	....	683.96	2,348.36	....	....	1,421.03	4,965.47
966.42	524.45	2,204.62	2,245.66	1,154.08	317.94	18.85	5,446.32
....	....	679.58	2,465.83	....	....	183.01	3,821.58
....	....	98.08	460.32	27.51	....	....	900.53
754.00	371.74	1,613.41	3,115.76	735.95	922.08	696.68	1,243.98
910.59	289.19	....	4,936.62	602.66	936.93	2,211.23	671.74
697.00	624.00	1,280.00	9,254.00	1,261.00	542.00	1,806.00	6,620.00
....	....	....	....	....	....	....	....
15,196.27	8,013.84	26,344.69	137,361.48	23,171.98	6.483.54	33,719.88	156.582.04
179.80	....	1,264.14	....	....	....	....	....
....	78.65	....	21,884.93	3,334.43	1,989.52	500.77	10,104.79
271	187	641	1,540	434	96	660	3,131
87	79	135	225	141	29	159	575
6	10	15	58	11	2	27	118
364	276	791	1,823	586	127	846	3,824

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality Population	Paisley 693	Penetanguishene 4,046	Port Elgin 1,300	Port McNicoll 875	Port Perry 1,130
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,872.44	10,694.19	7,949.99	3,622.82	6,690.04
Commercial light service	2,601.90	4,435.64	4,432.53	736.93	2,941.82
Commercial power service	1,185.39	9,553.73	3,471.03	....	2,796.19
Municipal power	....	1,774.79	911.17	....	366.33
Street lighting	1,408.00	2,216.50	2,029.41	517.00	1,403.00
Merchandise	....	....	....	....	....
Miscellaneous	154.91	94.09	114.70	....	605.82
Total earnings	9,222.64	28,768.94	18,908.83	4,876.75	14,803.20
EXPENSES					
Power purchased	7,192.75	22,106.69	8,741.32	4,076.25	10,134.04
Substation operation	....	642.42	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	130.51	2,279.99	821.44	213.95	549.30
Line transformer maintenance	....	32.54	13.52	....	....
Meter maintenance	....	110.40	21.87	....	....
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	107.78	396.41	247.78	83.26	193.08
Promotion of business	....	14.68	....	....	....
Billing and collecting	....	898.95	648.38	....	....
General office, salaries and expenses	461.29	775.94	207.10	289.00	903.89
Undistributed expenses	....	264.01	68.12	....	....
Truck operation and maintenance	....	148.93	265.27	....	155.61
Interest	634.65	1,092.76	2,135.88	217.45	1,018.58
Sinking fund and principal payments on debentures	704.22	1,887.92	1,333.71	456.49	705.19
Depreciation	486.00	2,752.00	773.00	370.00	799.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	9,717.20	33,403.64	15,277.39	5,706.40	14,458.69
Net surplus	....	....	3,631.44	....	344.51
Net loss	494.56	4,634.70	....	829.65	....
NUMBER OF CONSUMERS					
Domestic service	177	560	365	184	296
Commercial light service	51	99	84	28	85
Power service	4	26	7	....	9
Total	232	685	456	212	390

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Priceville P.V.	Ripley 450	Rosseau 291	Shelburne 1,129	South-ampton 1,660	Stayner 951	Sunder-land P.V.	Tara 454
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
653.82	3,309.93	2,665.97	5,254.42	8,528.84	4,279.66	2,137.72	2,859.74
213.33	2,031.74	934.28	3,571.98	4,018.04	2,859.98	1,874.14	1,556.42
....	....	....	1,533.21	3,419.23	2,658.11	57.26	796.69
....	....	....	621.40	1,354.06	....	....	....
560.00	1,266.00	1,240.00	960.00	2,325.20	1,022.00	632.75	1,206.00
....	....	....	....	....	....	....	....
10.96	51.92	232.04	255.81	165.39	343.76	51.38	17.33
1,438.11	6,659.59	5,072.29	12,196.82	19,810.76	11,163.51	4,753.25	6,436.18
1,308.12	4,561.25	3,729.68	9,176.46	8,798.63	8,690.50	3,817.05	3,800.99
....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....
8.50	92.30	254.07	503.11	1,160.04	563.59	194.09	325.30
....	....	48.82	....	30.57	....	....	....
....	....	....	....	6.05	....	....	....
....	....	....	....	....	....	....	....
17.50	57.36	6.48	113.03	59.84	153.36	93.63	88.70
....	....	....	....	....	....	....	....
....	....	120.05	483.03	715.93	....	....	....
50.98	508.89	14.93	83.87	291.06	546.12	325.83	476.13
....	....	20.25	....	83.73	....	....	....
....	....	....	....	203.35	....	....	....
413.97	715.25	585.95	395.47	1,601.00	200.69	208.39	403.39
309.63	360.17	....	1,257.61	1,047.00	1,024.09	301.53	893.65
169.00	413.00	204.47	902.00	623.00	759.00	265.00	497.00
....	....	....	....	....	....	....	....
2,277.70	6,708.22	4,984.70	12,914.58	14,620.20	11,937.35	5,205.52	6,485.16
....	....	87.59	....	5,190.56	....	....	....
839.59	48.63	....	717.76	....	773.84	452.27	48.98
32	122	51	278	384	235	112	132
9	48	21	86	78	75	44	40
....	....	....	10	12	12	1	4
41	170	72	374	474	322	157	176

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Concluded

Municipality	Teeswater	Thornton	Tottenham	Uxbridge	Victoria Harbor
Population	832	P.V.	575	1,591	1,160
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,646.00	1,246.12	3,022.89	8,037.95	3,065.16
Commercial light service	2,224.82	598.79	2,350.50	3,560.66	818.98
Commercial power service	953.46	334.83	130.35	917.33	49.41
Municipal power	180.00	....	154.63	....	120.31
Street lighting	1,402.00	880.00	1,225.08	1,556.19	702.00
Merchandise	....	....	....	....	....
Miscellaneous	167.16	2.94	10.55	411.06	....
Total earnings	9,573.44	3,062.68	6,894.00	14,483.19	4,755.86
EXPENSES					
Power purchased	6,318.14	1,385.13	5,967.24	11,344.34	3,246.81
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	200.12	54.43	303.20	559.66	151.26
Line transformer maintenance	....	....	....	....	....
Meter maintenance	....	....	....	....	....
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	45.99	23.25	61.20	192.13	124.41
Promotion of business	....	....	....	....	....
Billing and collecting	....	....	....	....	....
General office, salaries and expenses	590.32	107.25	200.05	807.81	369.81
Undistributed expenses	....	....	....	....	....
Truck operation and maintenance	....	....	....	....	....
Interest	1,063.58	367.46	438.77	825.87	113.21
Sinking fund and principal payments on debentures	1,063.66	400.97	364.62	918.56	439.06
Depreciation	670.00	296.00	395.00	634.00	370.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	9,951.81	2,634.49	7,730.08	15,282.37	4,814.56
Net surplus	....	428.19	....	....	....
Net loss	378.37	....	836.08	799.18	58.70
NUMBER OF CONSUMERS					
Domestic service	213	55	117	348	168
Commercial light service	57	14	51	95	27
Power service	7	3	4	11	2
Total	277	72	172	454	197

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Walkerton 2,310	Waubau-shene P.V.	Wiarton 1,881	Windermere 124	Wingham 2,201	Woodville 417	GEORGIAN BAY SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
14,606.24	1,982.88	9,921.57	2,195.19	12,675.78	2,225.05	474,437.86
8,291.19	546.05	6,921.84	981.67	7,142.32	1,172.47	254,637.58
4,114.82	482.67	1,938.29	.....	8,355.92	763.91	276,901.20
658.34	90.86	2,040.58	.....	362.46	.....	25,016.34
2,159.42	360.00	2,550.00	455.00	3,410.34	503.00	103,452.22
177.54	.....	.....	.....	213.68	.....	2,020.14
8.62	18.75	.....	74 49	490.54	303.30	17,156.97
30,016.17	3,481.21	23,372.28	3,706.35	32,651 04	4,967 73	1,153,622.31
16,315.30	1,879.58	14,843.91	2,388.13	15,638.36	3,369.11	861,469 18
.....	.....	.....	.....	1,604 59	.....	8,781.67
.....	.....	.....	.....	.....	.....	1,839.00
2,024.41	146.17	538.28	175.91	1,802.42	346.92	47,371.08
6.27	.....	5.17	.....	.....	.....	2,324.89
138.86	.....	92.10	.....	295.69	.....	5,634.14
.....	.....	.....	.....	.....	.....	.....
213.71	75.63	190.28	28.46	404.87	69.06	12,717.33
.....	.....	.....	.....	.....	.....	647.27
1,178.48	.....	891.94	175.81	579.39	.....	25,526.59
961.64	326.56	341.85	26.27	873.07	328.51	40,168.02
148.67	.....	91.08	36.75	357.56	.....	12,771.61
345.36	.....	112.00	.....	71.47	.....	4,874.84
3,168.03	64.66	2,127.11	609.02	2,665.33	189.49	50,449.84
1,905.28	241.71	.....	.....	3,705.06	219.26	57,236.15
1,130.00	249.00	858.00	266.00	2,677.00	218.00	68,893.47
.....	.....	.....	.....	.....	.....	.....
27,536.01	2,983.31	20,091.72	3,706.35	30,674.81	4,740.35	1,200,705.08
2,480.16	497.90	3,280.56	.....	1,976.23	227.38	.....
.....	.....	.....	.....	.....	.....	47,082.77
535	123	351	42	523	107	21,530
121	22	106	10	154	31	5,059
16	4	11	.....	25	3	700
672	149	468	52	702	141	27,289

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM

Municipality	Alexandria	Apple Hill	Athens	Bath*	Belleville
Population	2,400	P.V.	666	343	13,914
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,463.80	968.87	4,271.94	1,407.01	77,863.76
Commercial light service	4,011.46	842.28	1,902.97	992.59	49,324.85
Commercial power service	3,410.53	275.06	1,053.84	....	35,793.03
Municipal power	1,654.40	....	....	....	9,875.29
Street lighting	2,640.00	503.50	1,399.00	765.56	12,399.14
Merchandise	....	....	....	....	930.00
Miscellaneous	378.98	2.16	29.00	....	339.16
Total earnings	19,559.17	2,591.87	8,656.75	3,165.16	186,525.23
EXPENSES					
Power purchased	12,315.07	1,403.00	5,172.92	2,321.08	125,593.03
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	1,216.05	39.23	80.17	43.35	3,955.39
Line transformer maintenance	....	....	....	....	761.65
Meter maintenance	....	....	....	....	2,216.90
Consumers' premises expenses	....	....	....	....	739.27
Street lighting, operation and maintenance	315.22	45.50	117.46	10.44	1,406.57
Promotion of business	....	....	....	....	425.08
Billing and collecting	....	....	....	....	3,456.11
General office, salaries and expenses	1,535.81	236.60	198.00	103.53	7,924.79
Undistributed expenses	....	....	....	....	2,877.76
Truck operation and maintenance	....	....	....	....	33.57
Interest	1,528.85	248.42	725.99	541.08	2,067.38
Sinking fund and principal payments on debentures	2,356.99	286.75	471.48	....	6,000.00
Depreciation	1,260.00	155.00	420.00	158.00	4,656.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	20,527.99	2,414.50	7,186.02	3,177.48	162,113.50
Net surplus	....	177.37	1,470.73	....	24,411.73
Net loss	968.82	....	....	12.32	....
NUMBER OF CONSUMERS					
Domestic service	290	41	138	31	3,474
Commercial light service	80	18	49	16	502
Power service	15	1	1	....	90
Total	385	60	188	47	4,066

*13 months' operation.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Bloomfield 637	Bowman-ville* 3,648	Brighton 1,431	Brockville 9,485	Cardinal 1,304	Carleton Place 4,269	Chesterville 912
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,783.26	36,429.78	10,079.43	43,776.79	5,871.96	19,766.86	5,467.65
842.75	12,760.17	4,666.98	24,890.99	1,844.85	9,623.77	2,348.57
877.96	49,653.05	2,969.33	34,577.51	559.14	24,281.86	2,314.30
....	....	....	6,058.05	....	2,066.14	....
720.00	4,732.00	1,644.00	8,756.00	1,158.00	4,350.04	1,032.00
....	....	....	....	....	....	136.23
8.83	706.16	....	7,304.60	3.96	832.04	558.05
5,232.80	104,281.16	19,359.74	125,363.94	9,437.91	60,920.71	11,856.80
4,482.30	71,461.71	10,419.76	72,422.04	4,664.19	34,991.02	8,546.06
....	....	....	5,325.58	....	....	....
....	....	....	547.75	....	108.61	....
141.81	2,758.21	2,364.57	1,560.01	550.91	2,118.48	983.02
....	281.75	264.52	81.24	....	21.34	....
....	1,064.08	302.52	1,913.93	14.40	663.16	....
....	25.50	....	296.00	....	....	....
....	483.15	192.01	1,735.58	185.97	491.28	146.66
....	26.69	20.04	178.35	....	....	....
....	1,966.25	916.59	1,733.71	....	1,585.10	....
83.54	4,077.96	1,665.62	4,851.16	548.82	3,442.13	923.82
....	1,687.24	555.26	2,367.97	....	294.37	....
....	....	259.29	748.56	....	891.17	....
475.20	3,987.97	1,115.01	4,037.63	729.67	2,606.97	141.06
380.96	2,204.58	813.14	8,071.04	476.32	2,273.31	180.95
469.00	1,768.50	537.00	7,770.00	295.00	1,877.00	573.00
....	....	....	5,000.00	....	....	....
6,032.81	91,793.59	19,425.33	118,640.55	7,465.28	51,363.94	11,494.57
....	12,487.57	....	6,723.39	1,972.63	9,556.77	362.23
800.01	....	65.59	....	....	....	....
150	1,034	403	2,508	275	951	228
26	174	104	438	52	181	62
4	34	8	67	2	20	3
180	1,242	515	3,013	329	1,152	293

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*14 months' operation.

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Cobourg	Deseronto	Finch	Hastings
Population	5,478	1,356	358	653
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	27,555.43	7,061.64	2,066.11	4,723.55
Commercial light service	19,527.99	2,756.63	1,789.11	1,938.40
Commercial power service	23,937.45	1,678.82	708.99	785.97
Municipal power	6,179.74	894.00	....	....
Street lighting	5,572.26	2,015.94	570.00	1,847.82
Merchandise	22.35	45.70	....	....
Miscellaneous	812.72	193.99	39.45	72.26
Total earnings	83,607.94	14,646.72	5,173.66	9,368.00
EXPENSES				
Power purchased	51,104.08	7,553.07	2,266.61	3,554.13
Substation operation	....	....	....	....
Substation maintenance	....	....	....	....
Distribution system, operation and maintenance	1,908.69	1,018.34	175.47	169.90
Line transformer maintenance	361.16	....	....	....
Meter maintenance	1,062.09	97.45	....	29.46
Consumers' premises expenses	212.74	....	....	....
Street lighting, operation and maintenance	758.63	332.67	43.83	115.58
Promotion of business	83.70	....	....	....
Billing and collecting	1,638.19	275.66	....	....
General office, salaries and expenses	5,041.40	640.43	241.78	488.56
Undistributed expenses	617.06	129.44	....	....
Truck operation and maintenance	9.91	....	....	....
Interest	5,034.70	550.88	370.11	1,184.34
Sinking fund and principal payments on debentures	3,291.15	465.76	240.23	602.28
Depreciation	2,091.00	367.00	241.00	402.60
Other reserves	....	....	....	....
Total operating costs and fixed charges	73,214.50	11,430.70	3,579.03	6,546.85
Net surplus	10,393.44	3,216.02	1,594.63	2,821.15
Net loss	....	....	....	....
NUMBER OF CONSUMERS				
Domestic service	1,150	295	76	157
Commercial light service	249	68	33	48
Power service	41	12	1	5
Total	1,440	375	110	210

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Havelock	Kemptville	Kingston	Lakefield	Lanark	Lancaster	Lindsay
1,082	1,227	22,534	1,458	573	590	7,174
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,539 86	6,626.69	103,043.73	6,461.02	2,492.57	2,051.56	37,248.19
2,116.63	4,175.05	72,814.30	3,905.32	1,157.53	1,743.75	23,206.87
5,151.18	4,744.04	84,950.71	2,247.44	17.01	....	24,074.39
....	....	11,210.43	....	....	....	2,632.42
1,508.00	1,830.00	24,969.33	1,810.25	592.00	1,496.50	8,273.75
....	117.64	....	....	....	....	247.62
358.09	1,017.69	4,081.45	724.67	104.59	....	2,330.08
15,673.76	18,511.11	301,069.95	15,148.70	4,363.70	5,291.81	98,013.32
9,922.03	10,180.78	127,197.00	10,468.95	2,944.72	2,838.68	67,688.26
....	....	4,965.80	....	....	....	....
....	....	3,622 60	....	....	....	....
758.13	2,109.47	18,890.76	680.58	130.68	100.07	3,884.62
....	....	1,749.47	....	....	....	473.43
....	....	5,222.60	143.50	....	....	1,340.81
....	....	2,018.00	....	....	....	476 97
161.43	220.83	3,507.31	69.52	38.06	33.05	1,118.93
....	....	208.00	....	....	....	....
....	....	8,010.68	706.86	....	....	2,265.71
389.30	1,330.84	9,659.91	549.85	318.27	319.02	6,495.68
....	....	16,478.79	146.53	....	....	1,507.52
194.72	309.36	3,346.43	....	....	....	457.43
1,193.29	1,196.70	9,910.57	1,790.00	260.20	454.89	5,570.53
1,675.08	600.28	11,605.22	775.36	438.15	670.86	4,551.25
812.00	853.00	18,125.00	1,040.00	240.00	266.00	3,278.00
....	....	23,286.00	....	....	....	....
15,105 98	16,801.26	267,804.14	16,371.15	4,370.08	4,682.57	99,109.14
567.78	1,709.85	33,265.81	....	....	609.24	....
....	....	....	1,222.45	6.38	....	1,095 82
279	302	5,623	301	136	77	1,844
62	80	886	71	36	40	333
3	6	145	9	....	....	76
344	388	6,654	381	172	117	2,253

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Madoc	Marmora	Martintown	Maxville
Population	1,071	973	P.V.	747
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	4,780.70	3,602.77	810.16	3,144.26
Commercial light service	3,301.76	1,633.15	978.54	2,212.26
Commercial power service	1,170.79	162.18	....	160.41
Municipal power	....	....	....	....
Street lighting	1,788.00	1,450.00	300.00	1,430.04
Merchandise	....	....	....	....
Miscellaneous	68.66	181.19	90.61	23.36
Total earnings	11,109.91	7,029.29	2,179.31	6,970.33
EXPENSES				
Power purchased	6,831.77	4,235.89	1,190.04	4,228.10
Substation operation	....	....	....	....
Substation maintenance	....	....	....	....
Distribution system, operation and maintenance	640.87	42.27	21.85	318.91
Line transformer maintenance	....	....	....	....
Meter maintenance	85.32	....	....	....
Consumers' premises expenses	....	....	....	....
Street lighting, operation and maintenance	176.39	11.25	46.35	90.96
Promotion of business	....	....	....	....
Billing and collecting	....	....	....	....
General office, salaries and expenses	806.36	493.55	119.40	374.04
Undistributed expenses	....	....	....	....
Truck operation and maintenance	....	....	....	....
Interest	98.72	681.39	214.47	516.77
Sinking fund and principal payments on debentures	426.17	676.76	309.63	826.93
Depreciation	334.00	512.00	129.00	467.00
Other reserves	....	....	....	....
Total operating costs and fixed charges	9,399.60	6,653.11	2,030.74	6,822.71
Net surplus	1,710.31	376.18	148.57	147.62
Net loss	....	....	....	....
NUMBER OF CONSUMERS				
Domestic service	242	197	33	129
Commercial light service	86	46	21	39
Power service	6	2	....	1
Total	334	245	54	169

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Napanee	Norwood	Omemee	Oshawa	Ottawa	Perth	Peterborough
2,981	742	457	23,687	127,332	3,915	22,798
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
27,638.04	5,040.45	2,245.18	149,027.59	415,204.32	23,050.26	117,000.80
14,849.83	2,725.70	1,433.52	56,371.52	161,026.05	14,999.87	63,006.07
11,161.52	888.79	476.78	139,612.05	62,257.17	13,998.72	74,388.43
849.05	....	....	6,024.90	32,786.59	2,067.02	5,827.30
4,337.83	1,578.00	924.00	10,524.15	72,349.35	2,052.25	19,508.00
....	....	....	....	....	1,750.84	....
989.95	242.73	....	5,303.91	584.71	1,556.65	2,779.34
59,826.22	10,475.67	5,079.48	366,864.12	744,208.19	59,475.61	282,509.94
34,309.24	4,740.64	2,487.74	311,735.36	363,710.98	33,758.73	191,552.53
....	....	....	....	21,543.52	360.00	6,462.24
....	....	....	....	60.56	105.00	353.13
3,269.87	504.66	457.83	6,474.30	25,495.08	1,758.53	7,446.13
242.91	....	....	2,146.29	1,471.17	367.99	615.77
1,178.01	....	....	4,366.54	10,120.58	697.68	4,657.92
52.02	....	....	6.88	3,521.26	....	510.00
394.25	131.28	60.24	4,068.54	28,073.32	708.99	3,361.77
....	....	....	91.13	10,758.57	....	....
1,378.75	....	....	10,445.01	40,829.21	1,404.39	6,822.39
3,931.94	467.61	260.91	7,880.60	21,701.89	2,541.91	7,161.34
2,338.86	....	....	5,245.27	24,623.45	857.02	6,923.54
....	196.14	....	2,315.17	2,398.34	833.77	2,439.23
2,011.36	1,732.05	292.60	12,417.33	45,761.55	3,053.52	27,444.61
2,276.80	968.12	717.26	10,561.72	20,880.06	1,716.17	14,263.54
1,428.00	991.00	532.00	8,746.00	67,566.00	3,067.00	14,871.00
....	....	....	....	16,000.00	....	....
52,812.01	9,731.50	4,808.58	386,500.14	704,515.54	51,230.70	294,885.14
7,014.21	744.17	270.90	....	39,692.65	8,244.91	....
....	....	....	19,636.02	....	....	12,375.20
754	217	126	5,820	12,180	911	5,259
189	68	48	517	1,373	188	780
35	2	6	100	220	25	156
978	287	180	6,437	13,773	1,124	6,195

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Picton	Port Hope	Prescott	Richmond	Russell
Population	3,140	4,601	3,078	376	P.V.
EARNINGS					
Domestic service	21,279.06	27,820.09	16,527.43	1,603.27	2,674.04
Commercial light service	11,866.75	11,786.88	8,973.05	1,592.47	1,447.16
Commercial power service	7,569.77	20,375.47	3,672.70	....	110.19
Municipal power	1,859.73	2,010.15	1,485.61	....	....
Street lighting	4,364.04	4,608.00	3,475.00	555.84	1,012.00
Merchandise	....	....	....	....	....
Miscellaneous	712.83	243.70	650.73	5.64	31.59
Total earnings	47,652.18	66,844.29	34,784.52	3,757.22	5,274.98
EXPENSES					
Power purchased	35,982.23	43,587.36	23,844.58	2,430.82	2,909.64
Substation operation	....	....	1,197.92	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	965.24	2,279.34	2,392.32	90.96	93.23
Line transformer maintenance	71.76	49.97	....	....	....
Meter maintenance	636.26	1,372.42	150.48	....	....
Consumers' premises expenses	....	....	....	....	....
Street lighting, operation and maintenance	1,167.03	578.55	263.45	21.50	198.24
Promotion of business	86.62	....	....	....	....
Billing and collecting	1,071.83	1,733.09	1,106.93	....	....
General office, salaries and expenses	3,564.67	4,004.58	2,057.28	182.81	207.75
Undistributed expenses	422.47	1,271.86	462.73	....	....
Truck operation and maintenance	190.58	307.82	....	....	....
Interest	....	1,718.62	8.12	358.89	441.34
Sinking fund and principal payments on debentures	....	2,691.56	....	210.42	395.45
Depreciation	1,850.00	1,732.00	2,531.00	180.00	254.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	46,008.69	61,327.17	34,014.81	3,475.40	4,499.65
Net surplus	1,643.49	5,517.12	769.71	281.82	775.33
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	992	1,207	645	50	106
Commercial light service	198	212	160	25	33
Power service	42	45	21	....	....
Total	1,232	1,464	826	75	139

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1932

Smiths Falls 7,486	Stirling 937	Trenton 6,288	Tweed 1,247	Warkworth P.V.	Wellington 904	Westport* 675
42,842.87	5,486.74	30,633.23	6,741.31	2,165.50	4,708.55	3,267.59
16,416.27	3,780.76	19,642.80	5,054.98	1,603.69	2,125.74	3,150.56
19,279.30	2,071.33	62,605.97	3,483.44	....	2,316.67	....
532.04	305.07	1,878.63	201.93	....	....	....
7,862.04	1,389.67	8,430.59	1,888.75	648.00	1,118.04	2,062.16
....	....	....	162.33	....	....	....
2,613.01	415.48	1,476.75	18.24	73.61	....	46.17
89,545.53	13,449.05	124,667.97	17,550.98	4,490.80	10,269.00	8,526.48
44,198.63	8,058.92	77,464.34	10,932.11	3,303.23	8,456.57	5,154.08
1,971.00	62.74	....	....	....	....	....
78.69	....	1,014.59	....	....	....	....
3,381.37	1,087.58	3,915.41	1,137.62	85.52	844.60	197.77
84.16	4.85	394.60	14.16	34.74	18.85	1.00
918.66	63.70	1,657.98	237.42	....	35.23	1.40
....	....	122.85	....	....	....	....
918.65	231.55	608.43	388.25	57.27	188.28	93.77
29.42	90.88	112.71	....	....	....	....
3,343.59	....	2,507.94	414.87	....	....	....
4,156.38	1,766.17	5,699.89	1,131.49	184.99	522.03	422.97
1,195.30	....	1,865.53	247.62	....	61.08	17.00
655.60	311.62	1,050.28	....	....	....	....
5,510.19	....	7,837.50	788.47	593.77	557.03	825.00
11,630.90	....	5,123.31	617.98	209.21	600.95	430.19
5,479.00	953.00	3,209.00	418.00	190.00	626.00	199.00
....	....	....	....	....	....	....
83,551.54	12,631.01	112,584.36	16,327.99	4,658.73	11,910.62	7,342.18
5,993.99	818.04	12,083.61	1,222.99	....	....	1,184.30
....	....	....	....	167.93	1,641.62	....
1,679	268	1,191	270	97	282	91
263	83	228	91	43	62	47
45	10	49	12	....	6	....
1,987	361	1,468	373	140	350	138

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*12½ months operation.

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Concluded

Municipality	Whitby	Williamsburg	Winchester	EASTERN ONTARIO SYSTEM SUMMARY
Population	5,425	P.V.	980	
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	19,451.10	2,567.12	6,019.53	1,367,353.42
Commercial light service	9,790.33	2,548.08	3,342.99	674,844.59
Commercial power service	14,250.03	212.04	1,616.60	745,901.96
Municipal power	2,273.60			98,672.09
Street lighting	3,286.95	192.00	1,062.00	248,781.79
Merchandise				3,412.71
Miscellaneous	1,247.59	127.89	407.42	39,789.69
Total earnings	50,299.60	5,647.13	12,448.54	3,178,756.25
EXPENSES				
Power purchased	35,687.89	3,095.61	8,813.33	1,922,210.85
Substation operation				41,888.80
Substation maintenance	173.70			6,064.63
Distribution system, operation and maintenance	3,301.98	404.20	542.29	112,787.64
Line transformer maintenance	355.30			9,868.08
Meter maintenance	116.99			40,367.49
Consumers' premises expenses				7,981.49
Street lighting, operation and maintenance	702.15	61.98	211.15	54,343.27
Promotion of business			47.83	12,159.02
Billing and collecting	1,517.76			95,130.62
General office, salaries and expenses	1,426.60	218.31	868.20	123,220.49
Undistributed expenses	439.77			72,633.44
Truck operation and maintenance	286.00			17,234.99
Interest	2,328.32	30.05	411.14	161,354.25
Sinking fund and principal payments on debentures	3,313.88	190.62	362.56	127,831.33
Depreciation	2,725.26	148.00	580.00	167,371.36
Other reserves				44,286.00
Total operating costs and fixed charges	52,375.60	4,148.77	11,836.50	3,016,733.75
Net surplus		1,498.36	612.04	162,022.50
Net loss	2,076.00			
NUMBER OF CONSUMERS				
Domestic service	825	75	274	53,683
Commercial light service	152	54	66	8,680
Power service	16	1	2	1,345
Total	993	130	342	63,708

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1932

THUNDER BAY SYSTEM

Fort William 24,470	Nipigon	Port Arthur 19,430	THUNDER BAY SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.
205,660.88	2,508.73	108,207.21	316,376.82	11,447,307.85
63,991.03	1,913.03	54,652.69	120,556.75	6,243,794.01
41,949.95	305.51	780,752.69	823,008.15	9,356,693.88
21,813.85	248.08	37,591.52	59,653.45	1,859,585.35
17,556.68	480.00	18,984.96	37,021.64	1,783,972.46
....	....	....	....	11,069.27
7,762.38	....	20,369.73	28,132.11	513,787.30
358,734.77	5,455.35	1,020,558.80	1,384,748.92	31,216,210.12
270,490.78	1,781.36	844,590.18	1,116,862.32	19,109,036.25
6,324.39	....	20,136.48	26,460.87	503,351.82
2,247.63	....	1,717.67	3,965.30	300,186.15
13,366.99	368.57	11,669.90	25,405.46	969,750.61
896.00	20.70	646.38	1,563.08	95,485.55
8,496.23	16.21	3,684.36	12,196.80	300,104.85
771.82	....	....	771.82	368,208.73
7,283.77	17.28	5,760.77	13,061.82	360,709.76
....	....	2,848.60	2,848.60	266,760.84
10,589.19	....	10,390.63	20,979.82	818,721.33
5,234.84	566.99	10,493.82	16,295.64	960,558.88
5,958.89	....	8,032.22	13,991.11	436,692.96
1,945.49	....	1,390.07	3,335.56	112,059.90
21,128.14	423.78	19,893.02	41,444.94	2,532,940.93
12,241.58	408.76	9,271.56	21,921.90	2,244,367.86
11,628.00	444.00	30,385.50	42,457.50	1,830,261.14
894.58	....	2,500.00	3,394.58	90,635.08
379,498.31	4,047.65	983,411.16	1,366,957.12	31,299,832.64
....	1,407.70	37,147.64	17,791.80	....
20,763.54	....	....	....	83,622.52
5,359	139	4,090	9,588	444,679
854	40	746	1,640	73,723
105	2	91	198	12,951
6,318	181	4,927	11,426	531,353

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Acton..........	1,930	124 5 61 1 3	80 c.p. *s* 80 c.p. *s* 100 watt *m* 150 watt *m* 300 watt *m*	9.00 12.00 9.00 12.00 20.00	1,797.00	0.93
Agincourt.....	....	57	100 watt *m*	13.00	737.44	**
Ailsa Craig....	498	57 1	100 watt *m* 200 watt *m*	10.00 18.00	583.85	1.17
Alexandria.....	2,400	95 41	100 watt *m* 200 watt *m*	17.00 25.00	2,640.00	1.10
Alliston.......	1,367	102 13	100 c.p. *s* 100 watt *m*	18.00 18.00	2,070.00	1.51
Alvinston......	677	84 6	100 watt *m* 200 watt *m*	20.00 29.00	1,854.00	2.73
Amherstburg...	3,112	81 9 23 12	100 c.p. *s* 250 c.p. *s* 200 watt *m* 300 watt *m*	15.00 30.00 20.00 30.00	2,305.00	††
Ancaster Twp..	....	32 49	100 watt *m* 150 watt *m*	12.50 15.00	1,029.78	**
Apple Hill.....	....	30	100 watt *m*	17.00	503.50	**
Arkona........	397	48	100 watt *m*	20.00	960.00	2.42
Arthur........	993	82 7	100 watt *m* 200 watt *m*	19.00 32.00	1,782.00	1.79
Athens........	666	40 23	100 watt *m* 200 watt *m*	16.00 33.00	1,399.00	2.10
Aylmer.......	1,998	168 24 1	100 watt 300 watt Traffic Light	10.00 25.00 40.00	2,320.00	1.16
Ayr...........	806	91 3	100 watt *m* 500 watt *m*	10.00 36.00	1,018.00	1.26
Baden.........	....	65	100 watt *m*	8.00	520.00	**
Barrie.........	7,411	463 15 41 23	100 c.p. *s* 100 watt *m* 200 watt *m* 300 watt *m*	9.00 17.00 22.00 25.00	5,950.00	0.80
Bath..........	343	21	100 watt *m*	34.00	765.56	†
Beachville.....	....	47	100 watt *m*	11.00	517.00	**

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
†13 months' operation.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Beaverton	931	9	100 watt *m*	6.00	994.02	1.07
		95	100 watt *m*	8.00		
		6	500 watt *m*	30.00		
Beeton	552	65	100 c.p. *s*	15.00	1,185.00	2.15
		14	100 watt *m*	15.00		
Belle River	734	63	100 watt *m*	11.00	705.00	0.96
Belleville	13,914	540	100 c.p. *s*	10.00	12,399.14	0.89
		22	400 c.p. *s*	30.00		
		52	1,000 c.p. *s*	54.00		
		103	300 watt *m*	35.00		
Blenheim	1,613	164	150 c.p. *s*	12.00	2,507.00	††
		3	400 c.p. *s*	28.00		
		12	600 c.p. *s*	37.00		
		1	Traffic Light *m*	16.00		
Bloomfield	637	60	100 c.p. *s*	12.00	720.00	1.13
Blyth	610	100	100 watt *m*	13.00	1,300.00	2.13
Bolton	582	45	100 watt *m*	12.00	1,023.00	1.76
		23	200 watt *m*	21.00		
Bothwell	653	66	100 watt *m*	11.00	1,293.00	1.98
		21	300 watt *m*	27.00		
Bowmanville	3,648	170	80 c.p. *s*	14.00	4,732.00	†
		4	150 watt *m*	27.00		
		42	300 watt *m*	37.00		
Bradford	964	60	80 c.p. *s*	18.00	1,206.00	1.25
		7	100 watt *m*	18.00		
Brampton	5,012	656	100 watt *m*	8.00	5,291.00	1.06
		2	500 watt *m*	35.00		
Brantford	30,153	149	1,500 c.p. *s*	45.00	34,369.72	††
		3,497	100 watt *m*	7.50		
		10	150 watt *m*	8.50		
		12	200 watt *m*	11.00		
		2	500 watt *m*	45.00		
		20	750 watt *m*	46.00		
Brantford Twp.	....	366	100 watt *m*	12.00	4,382.00	**
Brechin	Mara Twp. Thorah "	26	100 watt *m*	18.00	576.00	**
		2	100 watt *m*	18.00		
		4	100 watt *m*	18.00		
Bridgeport	....	58	100 watt *m*	10.00	575.00	**

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.
†14 months' operation.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Brigden		44	100 watt *m*	14.00	1,166.00	**
		22	200 watt *m*	25.00		
Brighton	1,431	137	100 c.p. *s*	12.00	1,644.00	1.15
Brockville	9,485	586	100 c.p. *s*	11.00	8,756.00	0.92
		15	1-Lt. stds. *m*	17.00		
		35	3-Lt. stds. *m*	21.00		
		49	5-Lt. stds. *m*	24.00		
		6	300 watt *m*	24.00		
Brussells	726	80	100 watt *m*	12.00	1,281.00	1.76
		18	200 watt *m*	18.00		
Burford		67	100 watt *m*	11.00	742.62	**
Burgessville		24	100 watt *m*	13.00	312.00	**
Caledonia	1,400	174	100 watt *m*	8.00	1,529.04	1.09
		7	100 watt *m*	13.00		
Campbellville		19	100 watt *m*	24.00	456.00	**
Cannington	856	67	100 watt *m*	13.00	967.00	1.13
		3	500 watt *m*	32.00		
Cardinal	1,304	16	100 watt *m*	16.00	1,158.00	0.89
		41	200 watt *m*	22.00		
Carleton Place	4,269	83	60 watt *m*	12.00	4,350.04	1.02
		102	200 watt *m*	18.00		
		67	300 watt *m*	23.00		
Cayuga	660	77	100 watt *m*	18 00	1,386.00	2.10
Chatham	16,434	714	150 c.p. *s*	13.00	18,943.77	††
		36	150 c.p. *s*	12.00		
		32	250 c.p. *s*	16.00		
		33	600 c.p. *s*	31.00		
		75	600 c.p. *s*	30.00		
		134	1,000 c.p. *s*	38.00		
		2	250 watt *m*	24.00		
Chatsworth	263	41	100 watt *m*	11.00	451.00	1.71
Chesley	1,804	114	150 c.p. *s*	14.00	1,596 00	0.88
Chesterville	912	86	100 watt *m*	12.00	1,032.00	1.13
Chippawa	1,243	91	100 watt *m*	12.00	1,092.00	0.88
Clifford	515	61	100 watt *m*	14.00	854.00	1.66
Clinton	1,873	160	150 c.p. *s*	11.00	1,986.98	1.06
		11	100 watt *m*	11.00		
		1	500 watt *m*	55.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Cobourg.......	5,478	386	150 c.p. *s*	12.00	5,572.26	1.02
		4	400 c.p. *s*	23.00		
		18	500 c.p. *s*	47.50		
Coldwater.....	641	6	60 watt *m*	9.00	571.00	0.89
		47	100 watt *m*	11.00		
Collingwood...	5,730	422	80 c.p. *s*	8.00	3,376.00	0.59
Comber.......	....	43	100 watt *m*	12.00	732.00	**
		12	200 watt *m*	18.00		
Cookstown....	....	56	150 c.p. *s*	17.00	952.00	**
Cottam.......	....	30	100 watt *m*	15.00	450.00	**
Courtright.....	353	43	100 watt *m*	18.00	774.00	2.19
Creemore......	606	59	100 watt *m*	10.00	590.16	0.97
Dashwood.....	....	41	100 watt *m*	12.00	492.00	**
Delaware......	....	22	100 watt *m*	12.00	264.00	**
Deseronto.....	1,356	128	100 watt *m*	16.00	2,015.94	1.49
Dorchester....	....	59	100 watt *m*	11.00	649.00	**
Drayton.......	552	75	100 watt *m*	10.00	750.00	1.36
Dresden.......	1,451	130	100 c.p. *s*	13.00	1,834.34	1.26
		15	50 watt *m*	4.56		
Drumbo.......	....	39	100 watt *m*	13.00	507.00	**
Dublin........	....	50	100 watt *m*	15.00	750.00	**
Dundalk......	655	55	100 watt *m*	12.00	980.00	1.50
		20	200 watt *m*	16.00		
Dundas.......	5,137	305	100 watt *m*	12.00	6,115.93	1.19
		12	200 watt *m*	16.00		
		54	500 watt *m*	46.00		
Dunnville......	3,506	246	150 c.p. *s*	11.00	3,943.72	1.12
		27	1,000 c.p. *s*	45.00		
Durham......	1,779	105	150 c.p. *s*	16.00	1,824.00	1.03
		6	400 c.p. *s*	24.00		
Dutton........	785	110	100 watt *m*	9.00	973.50	1.24
East Windsor..	16,081	338	100 watt *m*	8.00	8,419.92	††
		194	200 watt *m*	14.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
East York Twp.	....	1 933 4 268 15	60 watt *m* 100 watt *m* 200 watt *m* 300 watt *m* 500 watt *m*	7.80 13.00 19.50 26.00 29.00	19,071.97	**
Elmira........	2,761	190 8 1	100 watt *m* 200 watt *m* 500 watt *m*	9.00 12.00 28.00	1,840.00	0.67
Elmvale.......	....	60	100 watt *m*	11.00	660.00	**
Elmwood......	....	23	100 watt *m*	21.00	483.00	**
Elora.........	1,317	93 15	100 watt *m* 200 watt *m*	16.00 22.00	1,818.00	1.38
Embro........	437	56	100 watt *m*	12.00	658.00	1.51
Erieau........	260	20	100 watt *m*	18.00	360.00	1.38
Essex.........	1,888	119 29 4 61 1	60 watt *m* 100 watt *m* 200 watt *m* 300 watt *m* 500 watt *m*	11.00 11.00 22.00 24.00 30.00	3,215.49	1.70
Etobicoke Twp.	....	963 22	100 watt *m* 100 watt *m*	13.00 17.00	12,958.52	**
Exeter........	1,622	165 23	100 watt *m* 200 watt *m*	9.50 18.00	1,981.56	1.22
Fergus........	2,585	140 31	100 watt *m* 150 watt *m*	16.00 18.50	2,718.41	1.05
Finch.........	358	32	100 watt *m*	18.00	570.00	1.59
Flesherton.....	462	2 54 1	60 watt *m* 100 watt *m* 300 watt *m*	6.00 10.00 25.00	574.00	1.24
Fonthill.......	833	71	100 watt *m*	15.00	1,063.75	1.28
Forest.........	1,425	131 123	60 watt *m* 100 watt *m* Station Platform	7.00 11.00 51.00	2,321.00	1.63
Fort William...	24,470	578 2 13 74 215 48	100 c.p. *s* 250 c.p. *s* 300 c.p. *s* 600 c.p. *s* 1,000 c.p. *s* Arcs —	8.00 18.00 23.00 28.00 38.00 38.00	17,556.68	0.72

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Galt..........	13,960	934	100 c.p. *s*	9.00	22,414.88	1.61
		316	100 watt *m*	12.00		
		100	200 watt *m*	20.00		
		152	300 watt *m*	35.00		
		74	500 watt *m*	40.00		
Georgetown....	2,187	172	100 watt *m*	11.00	2,115.33	†
		16	100 watt *m*	13.00		
		1	300 watt *m*	19.00		
Glencoe.......	767	111	100 watt *m*	14.00	1,934.00	2.52
		19	200 watt *m*	20.00		
Goderich......	4,324	325	100 c.p. *s*	9.00	3,791.50	0.88
		8	100 watt *m*	15.00		
		8	200 watt *m*	25.00		
		16	3-Lt. stds. *m*	35.00		
Grand Valley..	570	52	100 watt *m*	16.00	832.00	1.46
Granton.......	....	37	100 watt *w*	10.00	370.00	**
Gravenhurst...	1,896	135	80 watt *s*	10.00	2,064.07	1.08
		7	100 watt *s*	11.00		
		30	100 watt *m*	10.00		
		16	300 watt *m*	35.00		
Guelph........	21,201	12	50 watt *m*	4.00	20,199.01	0.95
		6	60 watt *m*	4.00		
		1,341	100 watt *m*	10.00		
		176	200 watt *m*	12.50		
		30	300 watt *m*	18.75		
		9	500 watt *m*	25.00		
		35	500 watt, 220v *m*	34.00		
		4	75 watt, 220 v *m*	43.00		
		18	1,000 watt, 220v *m*	46.50		
		1	Airport Beacon *m*	60.00		
Hagersville....	1,285	121	100 watt *m*	12.00	1,732.00	1.35
		14	300 watt *m*	20.00		
Hamilton......	150,065	10	40 watt *m*	4.50	118,954.03	0.79
		96	50 watt *m*	6.00		
		8,224	100 watt *m*	7.50		
		1,167	200 watt *m*	11.00		
		8	300 watt *m*	18.00		
		28	300 watt *m*	26.00		
		92	300 watt *m*	32.00		
		5	300 watt *m*	34.00		
		480	500 watt *m*	32.00		
		595	500 watt *m*	37.00		
		65	750 watt *m*	55.00		
		3	Danger Sig. Stds.	28.00		
		2	Danger Sig. Stds.	70.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
†Includes Glen Williams.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Hanover......	3,102	91	100 c.p. *s*	27.00	3,488.16	1.12
		16	250 c.p. *s*	32.00		
		5	100 watt *m*	27.00		
		12	200 watt *m*	32.00		
Harriston......	1,301	83	150 c.p. *s*	11.00	1,265.13	0.97
		4	100 watt *m*	11.00		
		29	200 watt *m*	11 00		
Harrow.......	907	1	100 watt *m*	12.00	1,215.25	1.34
		75	200 watt *m*	16.50		
Hastings......	653	51	100 watt *m*	29.00	1,847.82	2.83
		10	200 watt *m*	38.00		
		1	200 watt *m*	39.00		
Havelock......	1,082	63	100 c.p. *s*	16.00	1,508.00	1.39
		20	250 c.p. *s*	25.00		
Hensall........	745	83	100 watt *m*	12.00	996.00	1.34
Hespeler......	2,711	91	150 c.p. *s*	11 00	2,846.58	1.05
		75	250 c.p. *s*	16.00		
		12	400 c.p. *s*	30.00		
		51	150 watt *m*	10.00		
		13	300 watt *m*	21.50		
		7	300 watt *m*	35.00		
Highgate......	334	51	100 watt *m*	11.00	561.00	1.68
Holstein.......	....	14	100 watt *m*	35.00	490.00	**
Humberstone..	2,419	104	100 watt *m*	12.00	1,367.00	0.57
		7	200 watt *m*	17.00		
Huntsville.....	2,946	20	100 c.p. *s*	14.00	2,665.80	0.90
		32	150 c.p. *s*	18.00		
		43	250 c.p. *s*	22.00		
		20	50 watt *m*	10.00		
		60	75 watt *m*	10.00		
Ingersoll......	5.000	13	100 c.p. *s*	5.50	4,841.20	††
		310	100 c.p. *s*	11.00		
		2	600 c.p. *s*	28.00		
		2	1,000 c.p. *s*	25.00		
		26	1,000 c.p. *s*	35.00		
		11	300 watt *m*	30.00		
Jarvis.........	482	70	100 watt *m*	12.00	840.00	1.74
Kemptville....	1,227	90	100 watt *m*	20.00	1,830.00	1.49
		1	250 watt Fl. light	30.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Kincardine....	2,487	148	150 c.p. *s*	20.00	4,258.34	1.71
		20	100 watt *m*	15.00		
		36	200 watt *m*	25.00		
		2	1,000 watt *m*	85.00		
Kingston......	22,534	86	100 c.p. *s*	15.00	24,969.33	1.11
		289	600 c.p. *s*	40.00		
		243	600 c.p. *s*	52.00		
Kingsville.....	2,245	113	100 watt *m*	12.00	3,477.16	††
		122	100 watt *m*	14.00		
		25	150 watt *m*	18.00		
Kirkfield......	....	23	100 watt *m*	20.00	461.13	**
Kitchener.....	31,114	47	16 c.p. *s*	7.00	33,649.47	††
		2,023	80 c.p. *s*	9.00		
		85	100 c.p. *s*	9.00		
		35	250 c.p. *s*	13.00		
		18	1,000 c.p. *s*	25.00		
		402	200 watt *m*	15.00		
		30	300 watt *m*	15.00		
		69	300 watt *m*	17.50		
		77	300 watt *m*	20.00		
		177	500 watt *m*	25.00		
Lakefield......	1,458	108	100 watt *m*	17.00	1,810.25	1.24
Lambeth......	....	36	100 watt *m*	12.00	453.00	**
		1	200 watt *m*	21.00		
Lanark........	573	37	100 watt *m*	16.00	592.00	1.03
Lancaster......	590	41	100 watt *m*	36.50	1,496.50	2.54
La Salle.......	609	66	100 watt *m*	15.00	990.00	1.63
Leamington....	4,912	21	250 c.p. *s*	17.00	5,891.51	††
		99	400 c.p. *s*	22.00		
		4	600 c.p. *s*	28.00		
		192	100 watt *m*	15.00		
Lindsay.......	7,174	428	100 c.p. *s*	15.00	8,273.75	1.15
		25	1,000 c.p. *s*	70.00		
		2	500 watt *m*	70.00		
Listowel.......	2,688	161	60 watt *m*	9.00	3,831.60	1.43
		118	100 watt *m*	11.00		
		8	200 watt *m*	25.00		
		26	300 watt *m*	30.00		
		3	500 watt *m*	35.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
London	71,310	8	150 c.p. *s*	10.00	54,071.71	††
		1,920	150 c.p. *s*	11.00		
		103	400 c.p. *s*	18.00		
		301	400 c.p. *s*	24.00		
		32	600 c.p. *s*	28.00		
		273	600 c.p. *s*	30.00		
		2	50 watt *m*	5.00		
		75	100 watt *m*	10.00		
		12	200 watt *m*	9.34		
		47	200 watt *m*	14.00		
		43	200 watt *m*	18.00		
		488	300 watt *m*	18.00		
		36	300 watt *m*	20.00		
		11	500 watt *m*	25.00		
		68	500 watt *m*	40.00		
London Twp.	....	68	100 watt *m*	12.00	832.50	**
		1	200 watt *m*	16.50		
Long Branch	3,537	267	100 watt *m*	13.00	3,405.30	0.96
Lucan	547	71	100 watt *m*	15.00	1,065.00	1.95
Lucknow	1,067	73	100 watt *m*	21.00	1,573.00	1.47
		16	200 watt *m*	31.00		
Lynden	....	44	100 watt *m*	10.00	445.79	**
Madoc	1,071	342	75 watt *m*	5.00	1,788.00	1.67
		7	150 watt *m*	6.00		
		3	300 watt *m*	12.00		
Markdale	819	90	150 c.p. *s*	8.00	699.85	0.85
Markham	1,001	114	100 watt *m*	14.00	1,596.00	1.59
Marmora	973	37	75 watt *m*	15.00	1,450.00	1.49
		35	100 watt *m*	17.00		
		15	150 watt *m*	20.00		
Martintown	....	15	100 watt *m*	20.00	300.00	**
Maxville	747	65	100 c.p. *s*	22.00	1,430.04	1.91
Meaford	2,726	180	150 c.p. *s*	13.00	3,474.04	1.27
		28	100 watt *m*	13.00		
		35	200 watt *m*	22.00		
Merlin	....	43	100 watt *m*	16.00	688.00	**
Merritton	2,515	303	100 watt *m*	9.00	3,343.00	1.33
		25	300 watt *m*	25.00		
Midland	7,802	386	100 c.p. *s*	10.00	6,219.17	0.80
		30	300 watt *m*	22.00		
		36	500 watt *m*	40.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
					$ c.	$ c.	$ c.
Milton........	1,825	204	100 watt	*m*	9.00	1,905.00	1.04
		3	300 watt	*m*	30.00		
Milverton.....	1,064	95	100 watt	*m*	9.00	999.00	0.94
		12	200 watt	*m*	12.00		
Mimico.......	6,422	214	100 watt	*m*	14.00	8,681.07	1.35
		207	200 watt	*m*	21.50		
		47	300 watt	*m*	28.00		
Mitchell.......	1,609	232	150 c.p.	*s*	9.00	2,088.00	1.30
Moorefield.....	....	25	100 watt	*m*	15.00	375.00	**
Mount Brydges	....	49	100 watt	*m*	10.00	490.00	**
Mount Forest..	1,914	117	150 c.p.	*s*	12.00	2,370.00	1.24
		39	250 c.p.	*s*	14.00		
		35	100 watt	*m*	12.00		
Napanee......	2,981	136	100 c.p.	*s*	16.00	4,337.83	1.46
		26	320 c.p.	*s*	37.00		
		40	300 watt	*m*	32.00		
Neustadt......	448	39	150 c.p.	*s*	25.00	975.00	2.18
Newbury......	312	48	100 watt	*m*	15.00	720.00	2.31
New Hamburg.	1,462	162	100 watt	*m*	9.00	2,256.95	1.54
		36	200 watt	*m*	12.50		
		25	200 watt	*m*	15.00		
New Toronto..	6,437	221	75 watt	*m*	15.00	8,647.98	1.34
		17	150 watt	*m*	18.00		
		14	200 watt	*m*	19.00		
		28	300 watt	*m*	22.00		
		14	300 watt	*m*	27.00		
		131	500 watt	*m*	30.00		
		2	Intersection lights		28.00		
Niagara Falls..	18,678	801	100 c.p.	*s*	11.00	29,755.81	1.59
		2	250 c.p.	*s*	13.00		
		60	600 c.p.	*s*	18.00		
		234	600 c.p.	*s*	40.00		
		4	600 c.p.	*s*	60.00		
		197	1,000 c.p.	*s*	45.00		
		4	100 watt	*m*	11.00		
Niagara-on-the-Lake........	1,657	215	100 watt	*m*	11.00	2,777.76	1.68
		25	200 watt	*m*	18.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Nipigon	....	32	100 watt *m*	15.00	480.00	**
North York Twp.	....	81	100 watt *m*	12.00	5,083.67	**
		20	100 watt *m*	13.00		
		32	100 watt *m*	13.50		
		12	100 watt *m*	15.00		
		34	150 watt *m*	32.00		
		65	200 watt *m*	23.00		
		14	200 watt *m*	30.00		
		1	100 watt sign	12.00		
		1	400 w. Floodlight	31.00		
		2	1,000 w. Floodlight	65.00		
		1	Safety Lamp	8.00		
		1	Safety Lamp	30.00		
Norwich	1,071	113	100 watt *m*	10.00	2,120.00	1.98
		28	400 watt *m*	35.00		
Norwood	742	79	100 c.p. *s*	18.00	1,578.00	2.13
		6	100 c.p. *s*	20.00		
		1	100 c.p. *s*	27.00		
Oil Springs	448	41	100 watt *m*	18.00	750.00	1.67
		1	300 watt *m*	30.00		
Omemee	457	46	100 c.p. *s*	14.00	924.00	2.02
		10	250 watt *m*	28.00		
Orangeville	2,764	38	450 c.p. *s*	35.00	4,129.00	1.49
		99	100 watt *m*	15.00		
		48	250 watt *m*	20.00		
Oshawa	23,687	830	100 c.p. *s*	10.00	10,524.15	0.44
		1	1,000 c.p. *s*	27.00		
		39	100 watt *m*	11.00		
		109	150 watt *m*	12.00		
		30	200 watt *m*	16.00		
Ottawa	127,332	395	100 c.p. *s*	7.00	72,349.35	0.57
		784	400 c.p. *s*	25.00		
		797	600 c.p. *s*	35.00		
		615	100 watt	6.00		
		2,940	100 watt *m*	48c. per Ft.		
Otterville	....	51	100 watt *m*	11.00	753.00	**
		12	200 watt *m*	16.00		
Owen Sound	12,673	426	100 c.p. *s*	11.00	10,976.59	0.87
		335	250 c.p. *s*	14.00		
		12	400 c.p. *s*	21.00		
		39	500 c.p. *s*	35.00		
Paisley	693	88	100 watt *m*	16.00	1,408.00	2.03

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Palmerston....	1,750	95	80 c.p. *s*	9.00	1,718.25	0.98
		6	100 c.p. *s*	10.00		
		4	250 c.p. *s*	25.00		
		1	40 watt *m*	9.00		
		10	60 watt *m*	9.00		
		2	100 watt *m*	10.00		
		14	150 watt *m*	10.00		
		2	250 watt *m*	25.00		
		15	300 watt *m*	25.00		
		1	500 watt *m*	35.00		
Paris..........	4,263	448	100 c.p. *s*	9.00	5,674.90	1.33
		10	400 c.p. *s*	32.00		
		2	60 watt *m*	7.00		
		18	100 watt *m*	9.00		
		2	500 watt *m*	35.00		
		25	500 watt *m*	40.00		
Parkhill.......	968	78	100 watt *m*	14.00	1,437.00	1.48
		15	200 watt *m*	23.00		
Penetanguishene	3,870	184	100 c.p. *s*	11.00	2,216.50	0.57
		9	200 watt *m*	15.00		
		4	300 watt *m*	20.00		
Perth.........	3,915	70	100 c.p. *s*	15.00	2,052.25	0.52
		12	250 c.p. *s*	25.00		
		7	400 c.p. *s*	28.00		
		13	600 c.p. *s*	40.00		
Peterborough..	22,798	15	400 c.p. *s*	43.00	19,508.00	0.86
		215	60 watt *m*	9.00		
		362	100 watt *m*	10.00		
		501	300 watt *m*	18.00		
Petrolia.......	2,431	145	150 c.p. *s*	12.00	2,652.00	1.09
		24	600 c.p. *s*	38.00		
Picton........	3,140	222	100 c.p. *s*	12.00	4,364.04	1.39
		85	250 c.p. *s*	20.00		
Plattsville.....	....	34	100 watt *m*	15.00	510.00	**
Point Edward..	1,114	103	150 c.p. *s*	13.00	1,629.30	1.46
		15	250 c.p. *s*	20.00		
Port Arthur....	19,430	2,709	100 watt *m*	5.00	18,984.96	0.98
		232	300 watt *m*	10.00		
		208	500 watt *m*	15.00		
Port Colborne..	6,494	15	400 c.p. *s*	23.00	7,829.99	††
		78	600 c.p. *s*	25.00		
		232	100 watt *m*	12.00		
		28	100 watt *m*	14.00		
		127	200 watt *m*	18.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Port Credit....	1,600	268	100 watt *m*	10.00	2,680.00	1.68
Port Dalhousie.	1,394	128 2	100 watt *m* 200 watt *m*	12.50 15.00	1,630.00	1.17
Port Dover....	1,584	172 19	100 watt *m* 300 watt *m*	12.00 20.00	2,569.00	1.62
Port Elgin.....	1,300	104 26	100 watt *m* 200 watt *m*	14.00 22.00	2,029.41	1.56
Port Hope.....	4,601	384	100 c.p. *s*	12.00	4,608.00	1.00
Port McNicoll..	875	47	100 watt *m*	11.00	517.00	0.59
Port Perry.....	1,130	100 2	100 watt *m* 200 watt *m*	14.00 20.00	1,403.00	1.24
Port Rowan...	676	53	100 watt *m*	24.00	1,242.00	1.84
Port Stanley...	694	179	100 watt *m*	11.00	1,963.44	2.83
Prescott.......	3,078	169 105	100 watt *m* 2-Lt. Brackets *m*	10.00 17.00	3,475.00	1.13
Preston.......	6,173	344 9 40 6	150 c.p. *s* 250 watt *m* 500 watt *m* 5-lt. stds. *m*	10.00 18.00 30.00 30.00	4,973.62	0.81
Priceville......	....	14	100 watt *m*	40.00	560.00	**
Princeton......	....	37	100 watt *m*	13.00	481.00	**
Queenston.....	....	27	100 watt *m*	16.00	566.16	**
Richmond.....	376	25	100 watt *m*	23.00	555.84	1.48
Richmond Hill.	1,235	99 17 6	75 watt *m* 100 watt *m* 200 watt *m*	11.00 12.00 16.00	1,389.00	1.12
Ridgetown.....	1,990	186 1 73 19	150 c.p. *s* 1,000 c.p. *s* 100 watt *m* 500 watt *m*	10.00 40.00 10.00 38.00	3,367.46	††
Ripley........	409	43 6	100 watt *m* 200 watt *m*	24.00 39.00	1,266.00	3.10
Riverside......	5,125	285 72	100 watt *m* 150 watt *m*	11.00 14.50	4,181.42	††
Rockwood.....	....	85	100 watt *m*	9.00	750.75	**

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Rodney.......	738	78	100 watt *m*	10.00	1,028.72	1.39
		14	200 watt *m*	18.00		
Rosseau.......	291	31	100 watt *m*	40.00	1,240.00	4.26
Russell........	....	46	100 watt *m*	22.00	1,012.00	**
St. Catharines..	25,645	2,696	100 watt *m*	7.50	22,252.82	††
St. George.....	....	38	100 watt *m*	8.00	304.00	**
St. Jacobs.....	....	46	100 watt *m*	10.00	460.00	**
St. Marys.....	4,032	241	100 c.p. *s*	8.00	3,545.54	0.88
		1	250 c.p. *s*	8.00		
		124	250 c.p. *s*	12.00		
		12	300 watt *m*	12.00		
St. Thomas....	16,582	1,065	100 c.p. *s*	9.00	14,615.28	††
		28	250 c.p. *s*	13.00		
		1	600 c.p. *s*	32.00		
		114	600 c.p. *s*	34.00		
		6	60 watt *m*	4.50		
		22	300 watt *m*	22.00		
Sandwich......	11,408	272	100 c.p. *s*	12.00	9,668.67	††
		303	100 c.p. *s*	13.00		
		55	400 c.p. *s*	26.00		
		31	400 c.p. *s*	28.00		
		16	600 c.p. *s*	35.00		
		10	100 watt *m*	12.00		
		33	200 watt *m*	21.00		
Sarnia........	17,540	1,014	150 c.p. *s*	12.00	18,322.96	††
		51	250 c.p. *s*	16.50		
		65	400 c.p. *s*	22.00		
		79	600 c.p. *s*	35.00		
		13	600 c.p. *s*	45.00		
		3	100 watt *m*	12.00		
		8	150 watt *m*	16.50		
		14	300 watt *m*	32.00		
Scarboro Twp..	....	227	80 c.p. *s*	12.00	16,208.44	**
		2	150 c.p. *s*	17.00		
		19	40 watt *m*	12.00		
		2	60 watt *m*	18.00		
		433	100 watt *m*	12.00		
		7	200 watt *m*	17.00		
		317	300 watt *m*	24.00		
Seaforth.......	1,688	65	80 c.p. *s*	10.00	1,788.00	1.06
		58	100 c.p. *s*	11.00		
		20	300 watt *m*	25.00		
Shelburne.....	1,129	96	100 watt *m*	10.00	960.00	0.85

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Simcoe........	5,263	272 27 7 8 6 2 1	100 c.p. *s* 1,000 c.p. *s* 150 watt *m* 200 watt *m* 200 watt *m* 500 watt *m* 1,000 watt *m*	11.00 40.00 11.00 15.00 24.00 53.00 60.00	4,383.91	††
Smiths Falls...	7,486	18 104 253	60 watt *m* 100 watt *m* 300 watt *m*	9.50 18.00 23.00	7,862.04	1.05
Southampton..	1,660	113 32 39	100 watt *m* 250 watt *m* Beach Lamps *m* 3 months	14.00 22.00 12.00	2,325.20	1.40
Springfield.....	387	50	100 watt *m*	11.00	550.00	1.42
Stamford Twp.	....	848	100 watt *m*	9.50	7,997.37	**
Stayner.......	951	77 18	100 c.p. *s* 200 watt *m*	10.00 14.00	1,022.00	1.07
Stirling........	937	119	150 c.p. *s*	12.00	1,389.67	1.48
Stouffville.....	1,117	126	100 watt *m*	14.00	1,764.00	1.58
Stratford......	18,626	861 74 116 6 62 4 4	100 c.p. *s* 600 c.p. *s* 600 c.p. *s* 600 c.p. *s* 1,000 c.p. *s* 100 watt *m* 100 watt *m*	10.00 25.00 30.00 35.00 34.00 10.00 34.00	16,434.00	0.88
Strathroy......	2,870	331 21 34	100 c.p. *s* 250 c.p. *s* 300 watt *m*	9.00 15.00 31.00	4,343.46	1.51
Sunderland....	....	33 4	100 watt *m* 500 watt *m*	18.00 35.00	632.75	**
Sutton........	805	133 20	100 watt *m* 200 watt *m*	13.00 17.00	1,906.50	2.37
Tara..........	454	67	100 watt *m*	18.00	1,206.00	2.66
Tavistock.....	995	78 36	100 watt *m* 200 watt *m*	10.00 12.00	1,212.00	1.22
Tecumseh.....	2,550	8 60	400 c.p. *s* 100 watt *m*	21.00 12.00	1,049.50	††
Teeswater.....	832	38 20	150 c.p. *s* 400 c.p. *s*	19.00 34.00	1,402.00	1.69

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Thamesford....	....	47	100 watt *m*	11.00	517.00	**
Thamesville...	786	67	100 watt *m*	9.00	1,191.00	1.52
		33	200 watt *m*	14.00		
		7	200 watt *m*	18.00		
Thedford......	515	69	100 watt *m*	15.00	1,035.00	2.01
Thorndale.....	....	32	100 watt *m*	12.00	382.10	**
Thornton......	....	22	100 watt *m*	40.00	880.00	**
Thorold.......	5,068	382	75 watt *m*	7.50	3,551.00	0.70
		40	100 watt *m*	8.00		
		28	200 watt *m*	12.00		
		2	300 watt *m*	15.00		
Tilbury.......	1,929	99	100 watt *m*	11.00	1,563.72	0.81
		25	200 watt *m*	19.50		
Tillsonburg....	3,287	261	100 c.p. *s*	8.50	3,283.55	1.00
		3	250 c.p. *s*	13.00		
		6	300 watt *m*	32.00		
		43	500 watt *m*	42.00		
Toronto.......	621,596	46,215	100 watt *m*	8.00-10.00	528,737.84	0.85
		3,085	200 watt *m*	18.00-23.00		
		67	250 watt *m*	20.00		
		1,400	300 watt *m*	28.00-30.00		
		150	500 watt *m*	45.00		
		5	1,000 watt *m*	90.00		
		364	100 w. 5-lt. stds. *m*	47.50		
		391	300 w. 1-lt. stds. *m*	50.00		
		68	500 w. 1-lt. stds. *m*	47.50		
		76	500 w. 1-lt. stds. *m*	52.50		
Toronto Twp..	....	412	100 watt *m*	12.00	4.975.20	**
		1	Intersection Lt.	43.00		
Tottenham....	575	49	150 c.p. *s*	25.00	1,225.08	2.13
Trenton.......	6,288	49	600 c.p. *s*	77.00	8,430.59	1.34
		309	100 watt *m*	15.00		
		1	500 watt *m*	77.00		
Tweed........	1,247	126	100 c.p. *s*	15.00	1,888.75	1.51
Uxbridge......	1,591	129	100 watt *m*	12.00	1,556.19	0.98
		1	200 watt *m*	14.00		
Victoria Harbor	1,160	78	100 watt *m*	9.00	702.00	0.61
Walkerton.....	2,310	1	50 c.p. *s*	6.00	2,159.42	0.93
		114	100 c.p. *s*	12.50		
		38	200 c.p. *s*	24.50		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Rate per lamp per annum	Total cost to municipality per annum	Cost capita
					$ c.	$ c.	$ c.
Walkerville....	11,351	33	600 c.p.	*s*	45.00	12,746.46	††
		138	100 watt	*m*	8.00		
		332	150 watt	*m*	11.00		
		63	200 watt	*m*	13.00		
		110	300 watt	*m*	18.00		
Wallaceburg...	4,501	185	150 c.p.	*s*	12.00	4,477.82	0.99
		12	400 c.p.	*s*	25.00		
		3	400 c.p.	*s*	39.00		
		50	300 watt	*m*	39.00		
Wardsville.....	182	35	75 watt	*m*	20.00	700.00	3.85
Warkworth....	....	26	100 watt	*m*	18.00	648.00	**
		6	200 watt	*m*	30.00		
Waterdown....	887	75	100 watt	*m*	11.00	930.00	1.05
		6	200 watt	*m*	17.50		
Waterford.....	1,096	157	100 watt	*m*	8.00	1,608.00	1.47
		9	200 watt	*m*	20.00		
		3	500 watt	*m*	35.00		
Waterloo......	8,550	339	80 c.p.	*s*	8.00	7,475.66	0.87
		120	100 c.p.	*s*	10.00		
		91	150 watt	*m*	10.00		
		5	200 watt	*m*	12.00		
		18	300 watt	*m*	21.00		
		3	500 watt	*m*	30.00		
		9	500 watt	*m*	35.00		
		10	3-Lt. stds.	*m*	25.00		
		44	5-Lt. stds.	*m*	36.00		
Watford.......	915	90	100 watt	*m*	12.50	1,341.84	1.47
		11	200 watt	*m*	20.00		
Waubaushene..	....	45	100 watt	*m*	8.00	360.00	**
Welland.......	10,338	178	600 c.p.	*s*	30.00	11,052.52	††
		405	100 watt	*m*	11.00		
		44	200 watt	*m*	18.00		
		12	300 watt	*m*	30.00		
		4	500 watt	*m*	28.00		
Wellesley.....	....	60	100 watt	*m*	12.00	720.00	**
Wellington....	904	46	100 c.p.	*s*	12.00	1,118.04	1.24
		32	150 c.p.	*s*	19.00		
West Lorne....	812	83	100 watt	*m*	10.00	1,010.04	1.24
		10	200 watt	*m*	18.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1932, showing Rate per Lamp, Cost to Municipality per Annum, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Rate per lamp per annum	Total cost to municipality per annum	Cost per capita
				$ c.	$ c.	$ c.
Weston........	4,618	456	100 c.p. *s*	7.50	7,847.45	1.70
		2	250 c.p. *s*	10.00		
		113	600 c.p. *s*	30.00		
		20	300 watt *m*	11.00		
		5	5-Lt. stds.	21.00		
		2	Electric Signs	110.00		
Westport......	675	60	100 watt *m*	33.00	2,062.16	†
Wheatley......	765	63	100 watt *m*	12.00	1,856.00	2.43
		40	300 watt *m*	25.00		
Whitby.......	5,425	125	80 c.p. *s*	9.00	3,286.95	0.61
		66	100 c.p. *s*	10.00		
		163	100 watt *m*	7.50		
		3	500 watt *m*	11.50		
Wiarton.......	1,881	100	100 watt *m*	18.00	2,550.00	1.36
		25	200 watt *m*	30.00		
Williamsburg..	....	16	100 watt *m*	12.00	192.00	**
Winchester....	980	118	100 watt *m*	9.00	1,062.00	1.08
Windermere...	124	13	100 watt *m*	35.00	455.00	3.67
Windsor.......	68,079	2,902	100 c.p. *s*	11.50	76,272.21	††
		11	250 c.p. *s*	17.50		
		976	400 c.p. *s*	27.50		
		703	600 c.p. *s*	36.00		
		66	1,000 c.p. *s*	46.00		
Wingham......	2,201	101	100 c.p. *s*	19.00	3,410.34	1.55
		25	200 c.p. *s*	32.00		
		22	200 watt *m*	32.00		
Woodbridge...	786	83	100 watt *m*	10.00	830.04	1.06
Woodstock....	10,840	534	100 c.p. *s*	8.00	8,003.40	0.74
		13	250 c.p. *s*	20.00		
		89	75 watt *m*	8.00		
		25	150 watt *m*	12.00		
		1	250 watt *m*	12.00		
		75	300 watt *m*	32.00		
Woodville.....	417	36	100 watt *m*	12.00	503.00	1.21
		4	200 watt *m*	20.00		
Wyoming.....	475	50	100 watt *m*	15.00	750.00	1.58
Zurich........	....	63	100 watt *m*	11.00	693.00	**

†12½ months' operation.
**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
††Part of cost paid direct in form of debenture charges.

STATEMENT "D"

(pages 380 to 397)

Statistics Relating to the Supply of Electrical Energy to Consumers
by Individual Ontario Municipalities Served by the
Hydro-Electric Power Commission
for the year 1932

STATEMENT "E"

(pages 398 to 413)

Cost of Power to Municipalities and Rates to Consumers for
Domestic Service—Commercial Light Service—Power Service
in Ontario Urban Municipalities Served by the
Hydro-Electric Power Commission
for the year 1932

STATEMENT "D"

Statistics Relating to the Supply of Electrical Energy to Consumers in Ontario Municipalities Served by The Hydro-Electric Power Commission

The following tabulation of various statistical data relating to the supply of electrical energy to consumers by individual municipalities receiving power at cost from the Commission sets forth, regarding the results of operation from the standpoint of the consumers, much useful and interesting information.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or of the smallness of the quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

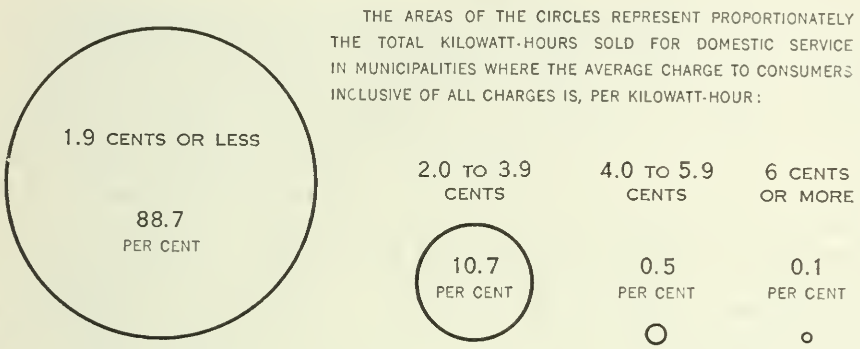
The accompanying diagram summarizes graphically certain data of Statement "D," respecting the average cost to the consumer. It will be observed that the total amount of the energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D," and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 40 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D," and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and include, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should specially be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give very misleading results. The average costs per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are simply statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

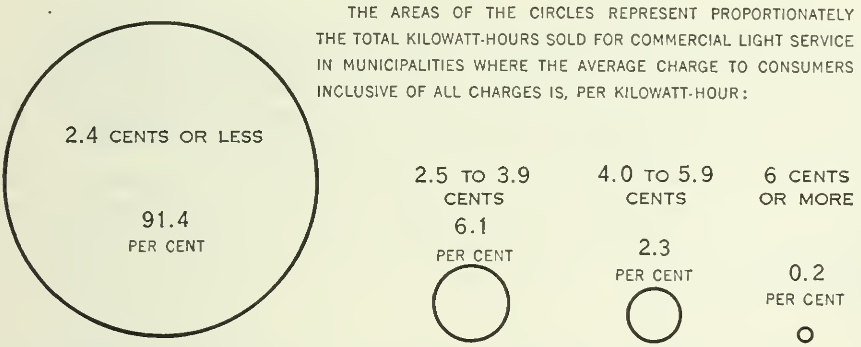
COST OF ELECTRICAL SERVICE
IN MUNICIPALITIES SERVED BY THE
HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

DOMESTIC SERVICE



THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:

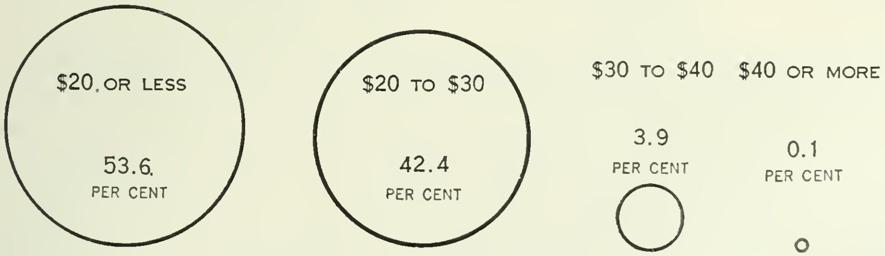
COMMERCIAL LIGHT SERVICE



THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:

POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances will be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 100 per cent. Such variations are principally due to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour, to the consumer, and *vice versa.**

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*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service, and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community, a lower "average revenue per kilowatt-hour." This will readily be perceived from a simple arithmetical example.

Example.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	Case A Higher rates and lower revenues per kilowatt-hour			Case B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	$	kw-hr.	cents	$
Residence.........	1,000,000	4	40,000	3,000,000	3	90,000
Power.............	9,000,000	1	90,000	7,000,000	0.75	52,500
Total...........	10,000,000	......	130,000	10,000 000	......	142,500
Average revenue..	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A *the rates* both for residence and for power service are 33 per cent *higher* than in Case B, but the *average revenue* per kilowatt-hour is nearly 9 per cent less.

In this instance, the key to the situation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil an important function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made economically possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for effecting comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed, and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E," or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively, of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments from which service is received, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the ultimate consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations and the approximate transmission distances from the nearest of the generating stations supplying the system, are also given.

A feature of the electrical service in Ontario municipalities served by the Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. There are in all about 196 Ontario municipalities where the average annual consumption per domestic consumer is in excess of 600 kilowatt-hours. Of the 81 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 52 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 28 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 10 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing electrical service "at cost"; the rate schedules scientifically designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from $2.00 to $3.00 when he obtains the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario.

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group I—CITIES

Municipality	System	Population	Distance from nearest generating station supplying system	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr	$ c.	cts.
Belleville	E.O.	13,914	13	77,863.76	4,271,796	3,474	102	1.87	1.9
Brantford	Nia.	30,153	79	180,311.93	11,988,699	7,317	140	2.10	1.5
Chatham	Nia.	16,434	193	80,191.86	3,800,955	3,600	88	1.86	2.1
East Windsor	Nia.	16,081	239	74,200.28	4,054,600	2,860	118	2.16	1.8
Fort William	T.B.	24,470	87	205,660.88	27,829,931	5,359	432	3.20	0.7
Galt	Nia.	13,960	92	105,155.34	5,578,232	3,554	131	2.47	1.9
Guelph	Nia.	21,201	75	102,151.29	6,290,467	4,964	106	1.71	1.6
Hamilton	Nia.	150,065	53	924,806.69	63,961,755	36,639	145	2.10	1.4
Kingston	E.O.	22,534	50	103,043.73	5,601,299	5,623	83	1.53	1.8
Kitchener	Nia.	31,114	95	194,660.72	11,694,129	7,004	139	2.32	1.7
London	Nia.	71,310	123	484,819.17	36,928,253	16,472	187	2.45	1.3
Niagara Falls	Nia.	18,678	1	144,088.85	11,767,280	4,287	228	2.80	1.2
Oshawa	E.O.	23,687	75	149,027.59	5,962,737	5,820	85	2.13	2.5
Ottawa	E.O.	127,332	1	415,204.32	45,738,697	12,180	313	2.84	0.9
Owen Sound	G.B.	12,673	32	59,590.65	3,402,459	3,131	91	1.59	1.8
Peterborough	E.O.	22,798	2	117,000.80	6,422,678	5,259	102	1.85	1.8
Port Arthur	T.B.	19,430	73	108,207.21	9,147,590	4,090	186	2.20	1.2
St. Catharines	Nia.	25,645	18	145,074.32	11,366,870	6,396	148	1.89	1.3
St. Thomas	Nia.	16,582	134	105,753.69	6,969,882	3,974	146	2.22	1.5
Sarnia	Nia.	17,540	205	104,014.86	5,337,045	4,496	99	1.93	1.9
Stratford	Nia.	18,626	119	150,119.36	9,123,120	4,335	175	2.89	1.6
Toronto	Nia.	621,596	78	3,692,436.65	253,550,661	149,786	141	2.05	1.5
Toronto D.C. and 60 cycle*	......	....	....	42,673.22	1,416,093	642	184	5.54	3.0
Welland	Nia.	10,338	14	51,243.01	2,749,306	2,247	102	1.90	1.9
Windsor	Nia.	68,079	238	494,148.42	30,429,981	14,434	176	2.85	1.6
Woodstock	Nia.	10,840	94	77,151.03	4,532,475	2,895	130	2.20	1.7

*This,—with the exception of a relatively small D.C. power load,—is a special service not created by the Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include Street Railway power.

Group II—TOWNS

Municipality	System	Population	Distance	Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Alexandria	E.O.	2,400	30	7,463.80	147,654	290	42	2.14	5.0
Amherstburg	Nia.	3,112	257	20,941.59	1,049,217	637	137	2.74	2.0
Aylmer	Nia.	1,998	145	11,389.62	529,470	625	71	1.52	2.2
Barrie	G.B.	7,411	48	51,192.96	3,089,079	1,850	139	2.31	1.7
Bowmanville‡	E.O.	3,648	66	....	....	1,034	......	.....	...
Brampton	Nia.	5,012	78	37,150.89	2,482,603	1,367	151	2.26	1.5
Brockville	E.O.	9,485	62	43,776.79	2,350,476	2,508	78	1.45	1.9
Carleton Place	E.O.	4,269	47	19,766.86	548,161	951	48	1.73	3.6
Cobourg	E.O.	5,478	36	27,555.43	862,873	1,150	62	2.00	3.2
Collingwood	G.B.	5,730	24	27,536.36	1,414,502	1,413	83	1.62	1.9
Dundas	Nia.	5,137	52	21,701.90	1,194,400	1,204	83	1.50	1.8
Dunnville	Nia.	3,506	37	13,295.04	549,584	729	63	1.52	2.4

‡14 months' operation.

"D"

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1932

Population, 10,000 or more

Commercial light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
49,324.85	2,231,389	502	370	8.19	2.2	45,668.32	90	2,411.3	4,066
61,036.75	5,204,948	1,105	423	4.96	1.2	†116,247.12	123	6,024.0	8,643
70,132.08	3,588,530	720	415	8.12	1.9	60,468.25	104	3,430.0	4,424
18,724.69	756,671	262	241	5.96	2.5	35,990.63	37	1,634.7	3,159
63,991.03	3,026,320	854	295	6.24	2.1	63,763.80	105	3,231.5	6,318
43,334.59	2,192,639	494	370	7.31	2.0	77,955.69	112	4,323.7	4,160
46,424.45	3,163,914	738	357	5.24	1.5	103,848.54	139	6,519.6	5,841
358,727.52	27,849,951	5,177	448	5.77	1.3	1,472,506.51	1,308	103,817.3	43,124
72,814.30	4,051,282	886	381	6.85	1.8	96,161.14	145	4,821.0	6,654
105,541.11	6,078,351	961	527	9.15	1.7	224,906.09	246	11,896.1	8,211
201,201.31	13,743,443	2,802	409	5.98	1.5	398,994.45	488	20,241.0	19,762
61,319.99	5,067,151	686	610	7.38	1.2	67,524.96	87	3,880.9	5,060
56,371.52	2,103,116	517	339	9.09	2.7	145,636.95	100	7,160.8	6,437
161,026.05	9,918,752	1,373	602	9.77	1.6	95,043.76	220	6,378.7	13,773
35,076.30	1,720,614	575	249	5.08	2.0	39,308.82	118	2,336.4	3,824
63,006.07	3,335,814	780	356	6.73	1.9	80,215.73	156	4,549.5	6,195
54,652.69	3,629,363	746	405	6.11	1.5	818,344.21	91	44,055.4	4,927
47,241.11	3,294,384	707	388	5.57	1.4	77,607.95	147	5,254.7	7,250
46,918.27	3,076,851	641	400	6.10	1.5	50,708.38	78	2,937.3	4,693
48,013.12	2,600,515	623	348	6.42	1.8	162,863.53	85	5,676.3	5,204
52,937.52	2,459,720	640	320	6.89	2.2	58,291.58	140	2,562.5	5,115
2,812,964.81	120,787,007	24,892	404	9.42	2.3	3,150,539.33	4,219	137,172.0	178,897
176,993.99	4,388,904	1,201	304	12.28	4.0	472,037.10	942	15,569.0	2,785
30,114.92	1,696,427	433	326	5.80	1.8	63,965.52	78	3,154.0	2,758
244,324.22	13,978,655	2,290	509	8.89	1.7	192,345.74	326	9,136.8	17,050
39,570.84	2,462,900	467	439	7.06	1.6	50,264.62	90	3,235.5	3,452

NOTE—The above group of 25 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

†Includes only 25-cycle data.

of Population 2,000 or more

$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
4,011.46	86,965	80	91	4.18	4.6	5,064.93	15	160.3	385
7,312.97	311,102	135	192	4.51	2.4	6,040.57	15	215.8	787
7,125.42	319,140	130	205	4.57	2.2	4,909.02	12	248.7	767
30,472.73	1,465,001	347	352	7.32	2.1	15,869.41	43	924.5	2,240
....	....	174	......	.....	.....	49,653.05	34	1,429.4	1,242
16,475.40	863,393	232	310	5.91	1.9	18,666.83	56	1,146.8	1,655
24,890.99	1,431,618	438	272	4.73	1.7	40,635.56	67	1,942.2	3,013
9,623.77	283,860	181	131	4.43	3.4	26,348.00	20	1,099.5	1,152
19,527.99	617,789	249	207	6.53	3.2	30,117.19	41	1,393.6	1,440
10,759.87	465,120	265	146	3.38	2.3	23,605.68	54	1,371.4	1,732
11,804.96	590,213	199	247	4.94	2.0	19,312.23	38	1,306.0	1,441
11,581.89	519,688	196	221	4.92	2.2	15,221.11	33	797.2	958

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group II—TOWNS

Municipality	System	Population	Distance from nearest generating station supplying system	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Elmira	Nia.	2,761	107	16,408.91	833,397	501	139	2.73	2.0
Fergus	Nia.	2,585	94	15,488.79	572,346	610	78	2.11	2.7
Goderich	Nia.	4,324	167	29,003.83	1,209,813	1,169	86	2.07	2.4
Hanover	G.B.	3,102	35	19,145.73	782,334	712	91	2.24	2.4
Hespeler	Nia.	2,711	90	18,802.31	889,368	658	113	2.38	2.1
Huntsville	G.B.	2,946	26	11,876.98	454,200	565	67	1.75	2.6
Ingersoll	Nia.	5,000	104	32,219.41	1,840,860	1,312	117	2.05	1.8
Kincardine	G.B.	2,487	69	13,935.63	428,871	583	61	1.99	3.2
Kingsville	Nia.	2,245	255	12,429.74	387,632	702	46	1.48	3.2
Leamington	Nia.	4,912	263	24,796.90	996,960	1,315	63	1.57	2.5
Lindsay	E.O.	7,174	19	37,248.19	1,480,012	1,844	67	1.68	2.5
Listowel	Nia.	2,688	154	17,844.57	869,986	715	101	2.08	2.0
Meaford	G.B.	2,726	23	12,817.08	444,887	641	59	1.67	2.9
Merritton	Nia.	2,515	16	11,583.92	624,114	700	74	1.38	1.9
Midland	G.B.	7,802	25	35,890.02	2,257,282	1,540	122	1.94	1.6
Mimico	Nia.	6,422	75	55,887.61	3,390,775	1,745	162	2.67	1.6
Napanee	E.O.	2,981	19	27,638.04	1,164,236	754	129	2.95	2.4
New Toronto	Nia.	6,437	76	34,424.55	2,058,626	1,428	120	2.01	1.7
Orangeville	G.B.	2,764	47	12,974.32	565,125	660	72	1.66	2.3
Paris	Nia.	4,263	76	24,635.93	1,390,042	1,056	110	1.94	1.8
Penetanguishene	G.B.	3,870	29	10,694.19	520,855	560	78	1.59	2.1
Perth	E.O.	3,915	21	23,050.26	972,323	911	89	2.11	2.4
Petrolia	Nia.	2,431	231	11,406.60	452,121	679	55	1.40	2.5
Picton	E.O.	3,140	33	21,279.06	1,048,298	992	88	1.79	2.0
Port Colborne	Nia.	6,494	21	28,498.60	1,058,415	1,222	72	1.94	2.7
Port Hope	E.O.	4,601	43	27,820.09	924,592	1,207	64	1.92	3.0
Prescott	E.O.	3,078	48	16,527.43	1,076,246	645	139	2.14	1.5
Preston	Nia.	6,173	86	44,740.49	2,545,882	1,548	137	2.41	1.8
Riverside	Nia.	5,125	243	39,734.22	2,027,533	1,102	153	3.00	2.0
St. Marys	Nia.	4,032	133	30,749.98	1,468,043	1,030	119	2.49	2.1
Sandwich	Nia.	11,408	245	86,747.73	5,582,846	2,302	202	3.14	1.6
Simcoe	Nia.	5,263	103	19,137.87	972,780	1,084	75	1.47	2.0
Smiths Falls	E.O.	7,486	38	42,842.78	1,713,935	1,679	85	2.13	2.5
Strathroy	Nia.	2,870	150	20,186.60	997,655	797	104	2.11	2.0
Tecumseh	Nia.	2,550	246	14,163.53	536,592	499	90	2.37	2.6
Thorold	Nia.	5,068	9	19,233.01	1,017,295	1,180	72	1.36	1.9
Tillsonburg	Nia.	3,287	116	14,747.42	711,971	873	68	1.41	2.1
Trenton	E.O.	6,288	1	30,633.23	1,025,265	1,191	72	2.14	2.9
Walkerton	G.B.	2,310	1	14,606.24	490,759	535	76	2.27	3.0
Walkerville	Nia.	11,351	239	102,105.01	6,841,071	2,468	231	3.45	1.5
Wallaceburg	Nia.	4,501	211	18,336.77	806,038	1,010	67	1.51	2.3
Waterloo	Nia.	8,550	96	58,917.14	3,692,990	1,852	166	2.65	1.6
Weston	Nia.	4,618	80	38,349.66	2,783,119	1,232	188	2.59	1.4
Whitby	E.O.	5,425	80	19,451.10	985,262	825	100	1.96	2.0
Wingham	G.B.	2,201	70	12,675.78	394,996	523	63	2.02	3.2

NOTE—The above group of 57 towns utilizes about 12 per cent of the power distributed by the Commission to Ontario municipalities.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1932 of Population, 2,000 or more

Commercial light service						Power service			
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horsepower	Total number of consumers
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
5,522.87	192,006	122	131	3.77	2.9	4,820.80	18	422.8	641
7,198.65	179,521	113	132	5.31	4.0	10,235.41	15	377.9	738
13,430.86	476,608	242	164	4.62	2.8	15,455.99	18	687.0	1,429
6,690.48	233,249	119	163	4.69	2.9	17,623.94	19	675.6	850
5,484.50	216,641	105	172	4.35	2.5	33,079.50	28	1,689.2	791
7,075.02	299,386	124	201	4.75	2.4	14,746.37	10	889.6	699
15,484.06	816,557	249	273	5.18	1.9	24,704.23	45	1,279.0	1,606
6,721.08	204,686	113	151	4.96	3.3	7,030.97	19	323.4	715
6,732.34	258,852	173	125	3.24	2.6	3,950.07	14	157.6	889
14,322.56	681,890	249	228	4.79	2.1	16,077.93	26	598.7	1,590
23,206.87	1,017,559	333	255	5.81	2.3	26,706.81	76	1,407.2	2,253
8,503.19	344,088	153	187	4.63	2.5	13,206.76	22	566.7	890
6,551.13	214,219	135	132	4.04	3.1	4,259.99	15	208.4	791
2,274.63	126,978	60	176	3.16	1.8	63,547.92	11	2,765.9	771
14,078.91	774,383	225	287	5.21	1.8	57,567.16	58	4,773.3	1,823
9,412.69	486,770	136	299	5.77	1.9	8,468.11	14	434.2	1,895
14,849.83	448,595	189	198	6.55	3.3	12,010.57	35	567.0	978
12,232.83	816,361	167	407	6.10	1.5	111,116.56	28	5,040.0	1,805
7,716.99	345,268	159	180	4.04	2.2	8,171.44	27	380.7	846
8,570.76	429,205	180	199	3.97	2.0	13,685.37	25	814.0	1,261
4,435.64	197,484	99	166	3.73	2.2	11,328.52	26	507.2	685
14,999.87	516,560	188	229	6.65	2.9	16,065.74	25	692.8	1,124
6,379.26	243,067	167	121	3.18	2.6	21,742.26	53	697.7	899
11,866.75	483,027	198	203	4.99	2.4	9,429.50	42	492.3	1,232
12,601.87	437,369	228	160	4.60	2.9	13,913.37	21	488.8	1,471
11,786.88	380,068	212	149	4.63	3.1	22,385.62	45	950.4	1,464
8,973.05	482,649	160	251	4.67	1.9	5,158.31	21	328.6	826
17,012.71	809,061	233	289	6.08	2.1	35,914.82	51	2,100.0	1,832
4,978.35	183,669	50	306	8.30	2.7	10,228.28	8	330.5	1,160
9,399.75	429,410	194	184	4.03	2.2	19,161.18	41	947.3	1,265
17,751.29	880,401	198	371	7.47	2.0	12,838.00	27	697.3	2,527
24,353.79	1,311,861	306	357	6.32	1.9	16,455.10	38	1,091.3	1,428
16,416.27	644,240	263	204	5.20	2.5	19,811.34	45	800.9	1,987
10,600.21	442,704	170	217	5.20	2.4	10,401.54	27	542.0	994
3,018.22	94,591	50	158	5.03	3.2	2,473.94	4	92.7	553
6,480.51	440,555	190	193	2.84	1.5	30,898.42	15	1,711.7	1,385
12,767.44	629,175	228	230	4.67	2.0	10,579.99	32	637.2	1,133
19,642.80	597,336	228	218	7.18	3.3	64,484.60	49	2,209.4	1,468
8,291.19	266,630	121	184	5.71	3.1	4,773.16	16	177.7	672
31,822.21	1,390,039	321	361	8.26	2.3	139,568.63	96	6,953.6	2,885
10,345.93	436,678	223	163	3.87	2.4	44,617.59	29	1,760.4	1,262
21,678.50	1,031,271	250	344	7.23	2.1	29,276.56	65	1,808.6	2,167
9,498.51	504,000	174	241	4.55	1.9	32,110.89	29	176.0	1,435
9,790.33	389,192	152	213	5.37	2.5	16,523.63	16	643.4	993
7,142.32	197,756	154	107	3.86	3.6	8,718.38	25	378.6	702

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Note—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, in less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power,

Municipality	System	Population	Distance from nearest generating station supplying system	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Acton	Nia.	1,930	91	10,037.45	534,395	481	93	1.74	1.9
Agincourt	Nia.	P.V.	93	4,976.86	171,682	141	101	2.94	2.9
Ailsa Craig	Nia.	498	148	2,511.55	72,393	128	47	1.64	3.5
Alliston	G.B.	1,367	74	8,829.32	236,950	352	56	2.09	3.7
Alvinston	Nia	677	267	4,468.52	62,526	159	33	2.34	7.1
Ancaster Twp.	Nia.	3,468	59	8,788.44	395,950	269	123	2.72	2.2
Apple Hill	E.O.	P.V.	19	968.87	15,150	41	31	1.97	6.4
Arkona	Nia.	397	250	2,604.53	53,321	96	46	2.26	4.9
Arthur	G.B.	993	63	4,625.59	87,562	178	41	2.17	5.3
Athens	E.O.	666	75	4,271.94	82,186	138	50	2.58	5.2
Ayr	Nia.	806	84	4,769.78	211,941	200	88	1.99	2.3
Baden	Nia.	P.V.	103	3,643.54	183,976	136	113	2.23	2.0
Bath*	E.O.	343	32	1,407.01	23,634	31	63	3.78	6.0
Beachville	Nia.	P.V.	101	2,875.09	111,387	128	74	1.91	2.6
Beaverton	G.B.	931	28	7,101.87	265,369	289	77	2.05	2.7
Beeton	G.B.	552	80	3,658.83	71,877	122	49	2.50	5.1
Belle River	Nia.	734	250	3,730.65	111,975	191	49	1.63	3.3
Blenheim	Nia.	1,613	202	8,539.11	295,478	495	51	1.46	2.9
Bloomfield	E.O.	637	29	2,783.26	98,247	150	55	1.55	2.8
Blyth	Nia.	610	161	3,830.43	91,868	162	47	1.97	4.1
Bolton	Nia.	582	98	3,164.98	111,354	159	58	1.66	2.8
Bothwell	Nia.	653	217	2,636.08	91,770	170	45	1.29	2.9
Bradford	G.B.	964	74	6,164.08	154,798	213	61	2.41	4.0
Brantford Twp.	Nia.	....	79	18,886.13	822,845	753	91	2.09	2.3
Brechin	G.B.	P.V.	18	1,039.57	19,355	43	38	2.01	5.4
Bridgeport	Nia.	P.V.	98	3,662.83	164,634	114	120	2.68	2.2
Brigden	Nia.	P.V.	233	2,457.40	49,273	108	38	1.90	5.0
Brighton	E.O.	1,431	12	10,079.43	195,526	403	40	2.08	5.2
Brussels	Nia.	726	159	5,448.47	138,860	220	53	2.06	3.9
Burford	Nia.	P.V.	83	4,481.37	201,088	188	89	1.99	2.2
Burgessville	Nia.	P.V.	116	1,257.47	36,290	54	56	1.94	3.5
Caledonia	Nia.	1,400	65	5,443.78	166,732	326	43	1.39	3.3
Campbellville	Nia.	P.V.	96	1,316.91	27,232	42	54	2.61	4.8
Cannington	G.B.	856	36	5,012.57	166,724	243	57	1.72	3.0
Cardinal	E.O.	1,304	38	5,871.96	156,556	275	47	1.78	3.8

*13 months' operation

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1932

VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D," page 380.

Commercial light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
3,846.04	182,496	82	185	3.91	2.1	16,502.03	17	696.2	580
1,131.69	26,006	23	94	4.10	4.4	1,515.05	3	70.0	167
1,501.39	41,402	38	91	3.29	3.6	3,066.68	2	106.9	168
4,530.56	94,125	103	76	3.67	4.8	2,953.00	16	150.0	471
2,764.10	42,844	51	70	4.52	6.4	467.13	2	15.2	212
1,986.58	97,227	41	198	4.04	2.0	855.11	5	42.0	315
842.28	15,649	18	72	3.90	5.4	275.06	1	10.0	60
1,693.54	36,494	36	84	3.92	4.6	987.58	3	27.5	135
3,690.53	65,313	75	73	4.10	5.7	1,806.55	4	59.0	257
1,902.97	34,003	49	58	3.24	6.0	1,053.84	1	36.0	188
1,693.41	69,066	45	128	3.14	2.5	470.00	3	20.1	248
1,564.54	63,780	25	213	5.22	2.5	5,029.47	3	200.7	164
992.59	14,941	16	78	5.17	6.6	....	......	....	47
840.07	26,634	23	96	3.04	3.2	9,137.61	4	415.6	155
2,468.24	109,966	64	143	3.21	2.2	2,073.01	10	97.3	363
2,589.06	50,261	39	107	5.53	5.2	2,604.02	6	92.6	167
2,173.98	56,484	55	86	3.29	3.8	1,453.51	4	50.5	250
6,523.05	340,496	126	225	4.31	1.9	5,472.90	12	218.8	633
842.75	26,344	26	84	2.70	3.2	877.96	4	39.1	180
1,805.95	41,987	51	69	2.95	4.3	806.71	4	42.0	217
949.11	34,271	39	73	2.03	2.8	1,732.07	9	70.4	207
1,330.35	52,455	51	86	2.17	2.5	1,025.61	6	77.0	227
3,379.21	71,921	64	94	4.40	4.7	3,354.47	8	175.8	285
3,861.02	190,935	45	354	7.15	2.0	4,401.51	5	192.3	803
942.21	23,381	41	48	1.92	4.0	1,060.85	4	38.0	88
1,039.46	33,096	20	138	4.33	3.1	654.69	4	32.4	138
1,908.38	45,778	41	93	3.88	4.2	922.26	4	32.8	153
4,666.98	126,195	104	101	3.74	3.7	2,969.33	8	155.0	515
2,702.08	62,753	65	80	3.46	4.3	719.07	2	24.1	287
950.37	46,085	33	116	2.40	2.1	1,480.59	4	69.7	225
533.79	13,770	21	55	2.12	3.9	1,066.75	3	42.1	78
4,665.35	161,874	90	150	4.32	2.9	2,320.15	7	86.6	423
465.48	12,518	8	130	4.85	3.7	....	......	....	50
2,453.03	80,843	69	98	2.96	3.0	635.87	12	36.3	324
1,844.85	49,396	52	79	2.96	3.7	559.14	2	17.0	329

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from nearest generating station supplying system	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Cayuga	Nia.	660	82	3,235.95	83,408	118	59	2.29	3.9
Chatsworth	G.B.	263	23	1,362.79	27,179	70	32	1.62	5.0
Chesley	G.B.	1,804	46	8,684.71	313,905	427	61	1.69	2.8
Chesterville	E.O.	912	44	5,467.65	231,016	228	84	2.00	2.4
Chippawa	Nia.	1,243	4	7,120.10	545,502	282	161	2.10	1.3
Clifford	Nia.	515	173	2,319.73	45,722	107	36	1.81	5.1
Clinton	Nia.	1,873	155	11,900.80	490,399	514	80	1.93	2.4
Coldwater	G.B.	641	17	2,852.51	128,441	137	78	1.74	2.2
Comber	Nia.	P.V.	216	2,459.02	66,824	98	57	2.09	3.7
Cookstown	G.B.	P.V.	65	2,279.66	30,533	105	24	1.81	7.5
Cottam	Nia.	P.V.	257	2,611.33	60,412	103	49	2.11	4.3
Courtright	Nia.	353	215	1,773.94	28,923	55	44	2.69	6.1
Creemore	G.B.	606	60	2,725.15	82,957	153	45	1.48	3.3
Dashwood	Nia.	P.V.	163	1,829.01	45,605	66	58	2.31	4.0
Delaware	Nia.	P.V.	137	1,338 99	25,335	53	40	2.11	5.3
Deseronto	E.O.	1,356	32	7,061.64	121,898	295	34	1.99	5.8
Dorchester	Nia.	P.V.	129	2,579.49	96,739	126	64	1.71	2.7
Drayton	Nia.	552	169	3,042.64	98,977	154	54	1.65	3.1
Dresden	Nia.	1,451	210	6,152.73	216,977	372	49	1.38	2.8
Drumbo	Nia.	P.V.	90	2,132.56	70,696	83	71	2.14	3.0
Dublin	Nia.	P.V.	140	1,341.55	27,400	42	54	2.66	4.9
Dundalk	G.B.	655	18	2,584.72	74,288	160	39	1.35	3.5
Durham	G.B.	1,779	23	6,259.06	250,815	408	51	1.28	2.5
Dutton	Nia.	785	152	3,597.40	148,939	204	61	1.47	2.4
Elmvale	G.B.	P.V.	32	2,664.97	88,479	151	49	1.47	3.0
Elmwood	G.B.	P.V.	40	1,114.90	18,316	56	27	1.66	6.1
Elora	Nia.	1,317	94	7,433.89	292,015	314	77	1.97	2.5
Embro	Nia.	437	107	2,767.51	78,840	98	67	2.35	3.5
Erieau	Nia.	260	210	3,773.37	88,332	156	47	2.02	4.3
Erie Beach	Nia.	20	209	1,532.87	18,821	62	25	2.06	8.1
Essex	Nia.	1,888	254	8,276.85	313,571	435	60	1.59	2.6
Etobicoke Twp.	Nia.	12,276	73	89,959.94	5,091,918	3,001	141	2.40	1.8
Exeter	Nia.	1,622	155	11,747.51	499,812	452	92	2.17	2.4
Finch	E.O.	358	53	2,066.11	39,381	76	43	2.27	5.2
Flesherton	G.B.	462	7	2,613.29	80,902	138	49	1.58	3.2
Fonthill	Nia.	833	25	4,995.94	185,936	193	80	2.16	2.7
Forest	Nia.	1,425	256	10,790.20	393,860	461	71	1.95	2.7
Georgetown	Nia.	2,187	100	13,898.39	805,318	666	101	1.74	1.7
Glencoe	Nia.	767	229	5,625.60	180,622	222	68	2.11	3.1
Grand Valley	G.B.	570	51	3,530.97	70,720	153	39	1.92	5.0

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1932

VILLAGES AND SUBURBAN AREAS

Commercial light service						Power service			
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	Total number of consumers
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
2,594.46	68,928	54	106	4.00	3.8	1,444.69	4	39.0	176
1,217.78	26,002	24	90	4.23	4.7	....	......	....	94
4,226.90	166,614	107	130	3.29	2.5	9,304.16	21	358.6	555
2,348.57	66,169	62	89	3.16	3.5	2,314.30	3	81.6	293
1,296.81	67,627	36	157	3.00	1.9	1,620.38	7	54.5	325
1,678.52	38,181	41	78	3.41	4.4	126.44	1	5.0	149
6,085.53	190,254	134	118	3.78	3.2	5,399.24	15	222.7	663
1,605.84	60,546	54	93	2.48	2.7	4,227.24	3	202.2	194
2,427.19	64,511	49	110	4.13	3.8	2,919.95	3	77.2	150
1,366.48	20,146	32	52	3.56	6.8	889.30	4	41.3	141
1,525.83	48,821	30	136	4.24	3.1	630.70	1	18.3	134
1,005.87	16,529	23	60	3.64	6.1	867.37	2	14.5	80
1,901.19	61,177	52	98	3.05	3.1	1,478.67	4	56.6	209
963.88	17,281	26	55	3.09	5.6	1,118.61	1	35.6	93
709.57	18,215	16	95	3.70	3.9	....	......	....	69
2,756.63	46,322	68	57	3.38	6.0	2,572.82	12	109.5	375
862.89	27,064	28	81	2.57	3.2	285.28	1	22.3	155
1,849.18	47,630	55	72	2.80	3.9	1,192.08	5	51.7	214
5,256.48	187,435	120	130	3.65	2.8	5,460.03	13	255.5	505
982.73	28,430	24	99	3.41	3.5	850.57	2	29.2	109
925.35	16,590	20	69	3.86	5.6	514.18	3	21.5	65
2,276.72	65,004	72	75	2.64	3.5	2,141.36	4	123.3	236
4,090.64	141,715	105	112	3.25	2.9	5,751.99	11	272.1	524
2,632.86	104,076	74	117	2.96	2.5	3,728.43	7	151.3	285
1,756.38	56,171	57	82	2.57	3.1	3,190.51	9	168.2	217
566.88	9,627	18	45	2.62	5.9	1,373.45	1	34.5	75
3,559.68	116,374	76	128	3.90	3.1	6,791.62	3	311.7	393
1,731.85	35,330	46	64	3.14	4.9	1,282.12	1	37.5	145
1,079.43	25,435	13	163	6.92	4.2	857.57	2	37..5	171
286.43	4,444	3	123	7.96	6.4	....	......	....	65
5,655.04	209,484	106	165	4.45	2.7	6,041.62	15	250.3	556
16,742.13	848,948	247	286	5.65	2.0	14,724.91	26	794.8	3,274
5,010.52	148,816	119	104	3.51	3.4	4,887.74	10	217.4	581
1,789.11	30,233	33	76	4.52	5.9	708.99	1	15.9	110
1,706.59	37,601	50	63	2.84	4.5	98.47	2	4.1	190
960.76	39,343	27	121	2.97	2.4	544.28	4	23.7	224
5,107.63	119,375	133	75	3.20	4.3	5,417.45	21	183.3	615
5,686.35	318,812	121	220	3.92	1.8	21,991.27	25	1,050.6	812
3,408.41	93,600	82	95	3.46	3.6	3,165.91	6	106.0	310
2,494.77	57,665	49	98	4.24	4.3	1,362.92	3	59.2	205

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from nearest generating station supplying system	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Granton	Nia.	P.V.	147	1,850.91	69,571	82	71	1.88	2.7
Gravenhurst	G.B.	1,896	7	7,790.76	532,147	454	98	1.43	1.5
Hagersville	Nia.	1,285	75	4,945.37	243,420	305	67	1.35	2.0
Harriston	Nia.	1,301	167	7,649.31	239,907	331	60	1.93	3.2
Harrow	Nia.	907	267	8,738.71	415,879	242	143	3.01	2.1
Hastings	E.O.	653	15	4,723.55	72,167	157	38	2.51	6.5
Havelock	E.O.	1,082	25	6,539.86	149,410	279	45	1.95	4.4
Hensall	Nia.	745	161	4,139.83	148,009	181	68	1.91	2.8
Highgate	Nia.	334	217	1,899.23	47,278	98	40	1.61	4.0
Holstein	G.B.	P.V.	34	1,431.91	11,558	55	18	2.17	12.4
Humberstone	Nia.	2,419	22	9,222.35	380,766	486	65	1.58	2.4
Jarvis	Nia.	482	81	2,273.18	55,960	116	40	1.63	4.1
Kemptville	E.O.	1,227	62	6,626.69	202,791	302	56	1.83	3.3
Kirkfield	G.B.	P.V.	35	775.61	11,937	30	33	2.15	6.5
Lakefield	E.O.	1,458	8	6,461.02	218,109	301	60	1.79	3.0
Lambeth	Nia.	P.V.	130	3,733.60	120,044	109	92	2.85	3.1
Lanark	E.O.	573	21	2,492.57	53,955	136	33	1.53	4.6
Lancaster	E.O.	590	25	2,051.56	31,408	77	34	2.22	6.5
La Salle	Nia.	609	248	7,714.49	314,056	199	131	3.23	2.5
Long Branch	Nia.	3,537	73	23,730.14	1,194,250	1,019	98	1.94	2.0
London Twp	Nia.	....	128	10,836.52	539,605	318	141	2.84	2.0
Lucan	Nia.	547	141	5,022.45	189,914	174	91	2.41	2.6
Lucknow	G.B.	1,067	68	7,098.99	184,308	271	57	2.18	3.9
Lynden	Nia.	P.V.	62	2,006.59	71,550	82	73	2.04	2.8
Madoc	E.O.	1,071	25	4,780.70	114,239	242	39	1.65	4.2
Markdale	G.B.	819	7	3,608.51	122,155	187	54	1.61	3.0
Markham	Nia.	1,001	114	6,525.34	213,075	274	65	1.98	3.1
Marmora	E.O.	973	20	3,602.77	64,728	197	27	1.52	5.6
Martintown	E.O.	P.V.	14	810.16	11,552	33	29	2.05	7.0
Maxville	E.O.	747	26	3,144.26	46,220	129	30	2.03	6.8
Merlin	Nia.	P.V.	219	2,277.52	49,906	106	39	1.79	4.6
Milton	Nia.	1,825	88	11,477.39	493,416	465	88	2.06	2.3
Milverton	Nia.	1,064	139	5,625.34	259,303	227	95	2.06	2.2
Mitchell	Nia.	1,609	135	10,861.65	516,577	426	101	2.12	2.1
Moorefield	Nia.	P.V.	168	928.00	18,633	55	28	1.41	5.0
Mt. Brydges	Nia.	P.V.	141	2,892.63	105,005	130	67	1.85	2.8
Mt. Forest	G.B.	1,914	38	7,307.96	333,060	434	64	1.40	2.2
Neustadt	G.B.	448	40	2,215.42	23,388	96	20	1.92	9.5
Newbury	Nia.	312	223	1,296.42	26,522	62	36	1.74	4.9
New Hamburg	Nia.	1,462	106	10,630.73	485,166	347	117	2.55	2.2

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1932

VILLAGES AND SUBURBAN AREAS

Commercial light service						Power service			
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horsepower	Total number of consumers
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
995.19	34,082	31	92	2.68	2.9	880.92	1	39.4	114
5,989.79	352,120	115	255	4.34	1.7	7,817.36	13	426.9	582
4,705.53	260,564	102	213	3.84	1.8	19,130.75	16	1,120.2	423
4,725.11	138,711	100	116	3.94	3.4	5,644.74	13	253.8	444
4,359.48	151,760	76	166	4.78	2.9	5,169.54	5	231.7	323
1,938.40	24,177	48	42	3.37	8.0	785.97	5	23.9	210
2,116.63	45,401	62	61	2.84	4.7	5,151.18	3	160.0	344
1,986.89	54,417	58	78	2.85	3.7	2,899.27	13	112.0	252
993.79	21,990	35	52	2.37	4.5	1,314.85	6	61.4	139
608.13	5,484	17	27	2.98	11.1	248.41	1	7.5	73
2,802.69	157,255	65	202	3.59	1.8	2,819.52	7	99.7	558
2,040 79	67,434	41	137	4.15	3.0	4,538.87	4	152.4	161
4,175.05	136,884	80	143	4.35	3.1	4,744.04	6	187.7	388
950.76	23,934	18	111	4.40	4.4	205.40	1	20.0	49
3,905.32	156,142	71	183	4.58	2.5	2,247.44	9	152.0	381
1,557.94	45,472	26	146	4.99	3.4	479.51	2	22.5	137
1,157.53	27,096	36	63	2.68	4.3	17.01	1	2.0	173
1,743.75	24,455	40	51	3.63	7.1	....	......	....	117
2,151.97	85,550	25	285	7.17	2.5	2,818.29	5	105.9	229
5,465.06	302,706	104	243	4.38	1.8	1,958.48	4	96.3	1,127
2,353.85	110,771	20	462	9.81	2.1	1,410.34	3	47.0	341
1,770.44	45,655	44	86	3.88	3.9	951.78	7	47.4	225
2,956.21	65,305	87	63	2.83	4.5	3,577.05	6	98.6	364
835.43	33,316	20	139	3.48	2.5	809.96	1	36.1	103
3,301.76	85,095	86	82	3.20	3.9	1,170.79	6	87.0	334
2,538.76	79,943	79	84	2.68	3.2	843.58	10	54.1	276
2,675.76	85,991	69	104	3.23	3.1	3,759.53	9	141.2	352
1,633.15	36,362	46	66	2.96	4.5	162.18	2	12.0	245
978.54	17,446	21	69	3.88	5.6	....	......	....	54
2,212.26	37,156	39	79	4.73	6.0	160.41	1	3.4	169
1,709.85	41,110	42	80	3.39	4.2	2,184.51	2	69.4	150
5,465.18	225,312	106	177	4.30	2.4	14,055.71	20	593.1	591
2,726.53	84,321	72	98	3.14	3.2	4,848.43	8	263.5	307
4,497.52	182,876	109	140	3.44	2.5	5,016.01	23	260.5	558
723.73	12,320	29	35	2.08	5.9	1,316.10	2	43.7	86
1,027.96	25,761	40	54	2.14	4.0	922.86	3	33.0	173
5,154.42	221,690	141	131	3.05	2.3	4,501.73	11	231.7	586
1,215.97	14,652	29	42	3.49	8.3	87.63	2	3.0	127
1,076.74	22,109	27	68	3.32	4.9	843.97	2	36.1	91
4,120.58	154,624	92	140	3.73	2.7	4,036.33	13	206.2	452

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population)

Municipality	System	Population	Distance from nearest generating station supplying system	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Niagara-on-the Lake.........	Nia.	1,657	13	14,446.79	725,608	466	130	2.58	2.0
Nipigon.........	T.B.	P.V.	14	2,508.73	....	139	......	.....	....
Norwich........	Nia.	1,071	110	8,160.12	402,526	349	96	1.95	2.0
Norwood........	E.O.	742	10	5,040.45	116,610	217	44	1.93	4.3
Oil Springs......	Nia.	448	226	1,693.00	43,084	74	49	1.91	3.9
Omemee........	E.O.	457	15	2,245.18	39,163	126	26	1.48	5.7
Otterville.......	Nia.	P.V.	115	2,041.41	69,586	106	55	1.60	2.9
Paisley..........	G.B.	693	56	3,872.44	66,902	177	31	1.82	5.8
Palmerston......	Nia.	1,750	161	10,572.35	493,232	398	103	2.21	2.1
Parkhill.........	Nia.	968	157	4,929.28	110,960	240	39	1.71	4.4
Plattsville.......	Nia.	P.V.	96	2,526.52	60,982	98	52	2.15	4.1
Point Edward....	Nia.	1,114	209	6,052.32	243,165	296	68	1.70	2.5
Port Credit......	Nia.	1,600	69	12,416.24	737,060	399	154	2.59	1.7
Port Dalhousie...	Nia.	1,394	21	12,985.94	822,477	590	116	1.83	1.6
Port Dover......	Nia.	1,584	108	8,019.11	260,286	464	47	1.44	3.1
Port Elgin.......	G.B.	1,300	6	7,949.99	205,311	365	47	1.82	3.9
Port McNicoll...	G.B.	875	21	3,622.82	78,319	184	35	1.64	4.6
Port Perry......	G.B.	1,130	58	6,690.04	231,125	296	65	1.88	2.9
Port Rowan.....	Nia.	676	124	3,431.75	59,503	97	51	2.95	5.8
Port Stanley.....	Nia.	694	146	12,117.75	497,112	572	72	1.77	2.4
Priceville........	G.B.	P.V.	12	653.82	7,732	32	20	1.70	8.5
Princeton.......	Nia.	P.V.	96	2,317.28	62,399	78	67	2.48	3.7
Queenston.......	Nia.	P.V.	7	2,669.09	120,424	65	154	3.42	2.2
Richmond.......	E.O.	376	19	1,603.27	39,808	50	66	2.67	4.0
Richmond Hill...	Nia.	1,235	103	7,425.30	358,071	331	90	1.87	2.1
Ridgetown......	Nia.	1,990	211	9,433.23	400,424	550	61	1.43	2.4
Ripley..........	G.B.	409	69	3,309.93	47,031	122	32	2.26	7.0
Rockwood.......	Nia.	P.V.	87	3,076.71	134,515	144	78	1.78	2.3
Rodney.........	Nia.	738	163	3,393.12	105,780	198	46	1.43	3.2
Rosseau.........	G.B.	291	37	2,665.97	39,999	51	65	4.36	6.7
Russell..........	E.O.	P.V.	58	2,674.04	45,998	106	36	2.10	5.8
St. Clair Beach...	Nia.	114	247	2,154.10	88,889	48	154	3.74	2.4
St. George.......	Nia.	P.V.	82	2,777.28	154,935	133	97	1.74	1.8
St. Jacobs.......	Nia.	P.V.	102	3,581.79	189,842	104	152	2.87	1.9
Scarboro Twp....	Nia.	18,112	87	94,006.56	4,329,210	4,343	83	1.80	2.2
Seaforth........	Nia.	1,688	147	10,759.68	518,196	485	89	1.85	2.1
Shelburne.......	G.B.	1,129	31	5,254.42	183,155	278	55	1.57	2.9
Southampton....	G.B.	1,660	3	8,528.84	225,368	384	49	1.85	3.8
Springfield......	Nia.	387	151	1,711.37	45,833	89	43	1.60	3.7
Stamford Twp...	Nia.	....	2	51,865.70	3,169,985	1,654	160	2.61	1.6

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1932

VILLAGES AND SUBURBAN AREAS

Commercial light service						Power service			
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	Total number of consumers
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
3,707.03	178,763	74	201	4.17	2.1	2,455.46	10	88.5	550
1,913.03	....	40	......	......	.....	553.59	2	17.0	181
3,139.55	116,040	86	112	3.04	2.7	2,089.87	7	103.2	442
2,725.70	53,172	68	65	3.34	5.1	888.79	2	30.9	287
1,078.61	29,718	26	95	3.46	3.6	7,936.25	32	206.7	132
1,433.52	32,410	48	56	2.49	4.4	476.78	6	27.1	180
1,736.94	53,398	43	103	3.37	3.3	643.09	4	28.7	153
2,601.90	70,656	51	115	4.25	3.7	1,185.39	4	52.7	232
5,017.80	206,201	102	168	4.10	2.4	6,375.40	10	363.4	510
3,088.29	72,230	75	80	3.43	4.3	1,494.32	5	66.8	320
1,075.00	29,768	24	103	3.73	3.6	575.88	1	20.9	123
1,786.59	61,174	43	119	3.46	2.9	16,966.50	10	673.0	349
4,754.90	237,010	75	263	5.28	2.0	1,894.91	5	102.2	479
2,498.83	139,392	58	200	3.59	1.8	4,316.92	10	231.3	658
4,944.95	164,954	130	106	3.17	3.0	5,832.62	12	221.1	606
4,432.53	106,555	84	106	4.40	4.2	4,382.20	7	199.8	456
736.93	14,180	28	42	2.19	5.2	....	......	....	212
2,941.82	79,611	85	78	2.88	3.7	3,162.52	9	136.4	390
1,949.94	30,951	35	74	4.64	6.3	117.40	1	3.5	133
3,248.87	93,820	78	100	3.47	3.5	5,109.93	16	157.0	666
213.33	4,871	9	45	1.98	4.4	....	......	....	41
689.89	18,446	19	81	3.03	3.7	3,026.47	3	85.1	100
264.46	9,701	10	81	2.20	2.7	765.67	1	22.6	76
1,592.47	44,592	25	148	5.31	3.6	....	......	....	75
3,662.71	140,629	64	183	4.77	2.6	2,759.70	15	137.0	410
5,071.28	212,539	141	126	3.00	2.4	4,883.95	24	309.9	715
2,031.74	32,838	48	57	3.53	6.2	....	......	....	170
1,010.10	37,502	35	89	2.40	2.7	293.69	2	13.0	181
3,164.78	89,309	71	105	3.71	3.5	1,842.26	7	95.1	276
934.28	8,043	21	32	3.71	11.6	....	......	....	72
1,447.16	19,760	33	50	3.65	7.3	110.19	1	9.6	140
1,415.56	37,234	7	443	16.85	3.8	441.44	2	15.3	57
894.23	61,571	35	147	2.13	1.5	2,188.36	3	81.3	171
1,157.09	37,198	28	111	3.44	3.1	802.86	6	46.1	138
17,553.61	872,735	350	208	4.18	2.0	20,061.95	38	819.3	4,731
5,506.36	220,366	116	158	3.95	2.5	5,279.92	15	284.7	616
3,571.98	118,950	86	115	3.46	3.0	2,154.61	10	129.7	374
4,018.04	107,590	78	115	4.29	3.7	4,773.29	12	171.0	474
694.73	15,476	36	36	1.61	4.5	1,421.47	4	58.3	129
7,006.93	412,931	74	465	7.89	1.7	5,471.81	12	237.8	1,740

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Distance from nearest generating station supplying system	Domestic service					
				Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost pe kw-hr.
			miles	$ c.	kw-hr.		kw-hr.	$ c.	cts.
Stayner	G.B.	951	53	4,279.66	184,618	235	65	1.52	2.3
Stirling	E.O.	937	19	5,486.74	316,275	268	98	1.71	1.7
Stouffville	Nia.	1,117	110	7,278.39	235,237	327	60	1.85	3.1
Sunderland	G.B.	P.V.	44	2,137.72	41,634	112	31	1.59	5.1
Sutton	Nia.	805	114	8,156.87	199,109	385	43	1.77	4.1
Tara	G.B.	454	34	2,859.74	64,464	132	41	1.81	4.4
Tavistock	Nia.	995	129	7,320.11	370,340	260	119	2.35	2.0
Teeswater	G.B.	832	58	4,646.00	82,487	213	32	1.82	5.6
Thamesford	Nia.	P.V.	136	2,428.02	94,942	119	66	1.70	2.6
Thamesville	Nia.	786	207	3,947.55	144,921	218	55	1.51	2.7
Thedford	Nia.	515	268	2,923.17	51,278	129	33	1.89	5.7
Thorndale	Nia.	P.V.	136	1,394.97	34,823	62	47	1.87	4.0
Thornton	G.B.	P.V.	58	1,246.12	16,565	55	25	1.89	7.5
Tilbury	Nia.	1,929	209	7,083.69	272,361	428	53	1.38	2.6
Toronto Twp.	Nia.	....	67	59,049.56	2,834,733	1,713	138	2.87	2.1
Tottenham	G.B.	575	82	3,022.89	53,988	117	38	2.15	5.6
Trafalgar Twp. No. 1	Nia.	....	....	14,465.91	561,558	279	168	4.32	2.6
Trafalgar Twp. No. 2	Nia.	....	....	5,856.62	199,864	132	126	3.70	2.9
Tweed	E.O.	1,247	41	6,741.31	131,912	270	40	2.06	5.1
Uxbridge	G.B.	1,591	60	8,037.95	278,258	348	66	1.92	2.9
Victoria Harbour	G.B.	1,160	17	3,065.16	85,158	168	42	1.52	3.6
Wardsville	Nia.	182	225	1,125.21	19,969	52	32	1.80	5.6
Warkworth	E.O.	P.V.	17	2,165.50	37,907	97	33	1.86	5.7
Waterdown	Nia.	887	57	5,830.34	299,895	224	112	2.17	1.9
Waterford	Nia.	1,096	94	6,762.81	391,254	302	108	1.87	1.7
Watford	Nia.	915	256	6,754.27	194,790	280	58	2.01	3.5
Waubaushene	G.B.	P.V.	12	1,982.88	74,080	123	50	1.34	2.7
Wellesley	Nia.	P.V.	111	2,751.98	76,909	110	58	2.08	3.6
Wellington	E.O.	904	22	4,708.55	194,036	282	57	1.39	2.4
West Lorne	Nia.	812	159	3,346.87	94,718	191	41	1.46	3.5
Westport*	E.O.	675	71	3,267.59	45,721	91	42	2.99	7.1
Wheatley	Nia.	765	279	4,817.06	134,877	184	61	2.18	3.6
Wiarton	G.B.	1,881	33	9,921.57	186,546	351	44	2.36	5.3
Williamsburg	E.O.	P.V.	28	2,567.12	92,947	75	103	2.85	2.8
Winchester	E.O.	980	38	6,019.53	287,708	274	87	1.83	2.1
Windermere	G.B.	124	22	2,195.19	25,460	42	51	4.36	8.6
Woodbridge	Nia.	786	85	5,916.60	273,711	229	100	2.15	2.2
Woodville	G.B.	417	40	2,225.05	59,195	107	46	1.73	3.8
Wyoming	Nia.	475	239	2,542.85	55,100	122	38	1.74	4.6
York, East, Twp.	Nia.	....	86	174,276.29	9,474,125	8,535	93	1.70	1.8
York, North, Twp.	Nia.	....	84	89,239.85	3,936,547	2,679	122	2.77	2.3
Zurich	Nia.	P.V.	168	3,199.76	89,905	121	62	2.20	3.6

*12½ months' operation.

"D"—Concluded

in Ontario Municipalities Served by the Commission and for Power Service during the Year 1932

VILLAGES AND SUBURBAN AREAS

Commercial light service						Power service			
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horsepower	Total number of consumers
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
2,859.98	100,451	75	113	3.16	2.8	2,658.11	12	162.8	322
3,780.76	144,499	83	145	3.80	2.6	2,376.40	10	100.0	361
2,783.22	46,775	83	47	2.79	5.9	711.37	4	36.5	414
1,874.14	41,787	44	79	3.55	4.5	57.26	1	5.0	157
3,473.05	84,884	82	86	3.53	4.1	1,318.98	5	35.0	472
1,556.42	37,994	40	79	3.24	4.1	796.69	4	33.6	176
2,121.18	80,966	71	95	2.49	2.6	8,434.81	5	322.5	336
2,224.82	44,626	57	65	3.25	5.0	1,133.46	7	51.5	277
1,450.24	60,826	38	133	3.18	2.4	2,898.03	7	97.5	164
3,230.42	110,802	79	117	3.41	2.9	2,207.25	7	94.0	304
1,926.26	34,175	39	73	4.11	5.6	554.57	3	17.5	171
1,007.23	25,564	23	93	3.65	3.9	243.22	1	5.4	86
598.79	9,850	14	59	3.56	6.1	334.83	3	17.0	72
7,659.86	305,760	137	186	4.66	2.5	9,565.24	15	532.7	580
14,120.05	615,593	180	285	6.54	2.3	7,181.69	23	340.0	1,916
2,350.50	30,815	51	50	3.84	7.6	284.98	4	14.3	172
632.39	15,400	2	642	26.35	4.1	554.08	12	31.8	293
....	....	......	......	.....	.....	....	......	....	132
5,054.98	96,843	91	88	4.62	5.2	3,685.37	12	118.3	373
3,560.66	93,985	95	82	3.12	3.8	917.33	11	66.5	454
818.98	29,618	27	91	2.53	2.8	169.72	2	6.0	197
1,163.68	15,083	23	55	4.22	7.7	....	......	....	75
1,603.69	31,744	43	62	3.11	5.1	....	......	....	140
1,740.68	77,432	36	179	4.03	2.2	2,274.39	7	105.2	267
1,807.72	108,735	70	129	2.15	1.7	4,013.18	10	233.0	382
3,408.05	90,340	79	95	3.59	3.8	2,977.20	5	101.3	364
546.05	25,879	22	98	2.07	2.1	573.53	4	22.5	149
1,129.38	29,550	39	63	2.41	3.8	1,717.36	6	115.5	155
2,125.74	66,880	62	90	2.86	3.2	2,316.67	6	87.7	350
1,567.00	55,005	53	86	2.46	2.8	1,758.02	3	73.6	247
3,150.56	37,311	47	66	5.59	8.4	....	......	....	138
2,888.15	74,856	56	111	4.30	3.9	2,219.63	4	73.4	244
6,921.84	159,293	106	125	5.44	4.3	3,978.87	11	119.7	468
2,548.08	71,353	54	110	3.93	3.6	212.04	1	14.3	130
3,342.99	128,886	66	163	4.22	2.6	1,616.60	2	39.6	342
981.67	16,325	10	136	8.18	6.0	....	......	....	52
1,610.71	53,420	41	109	3.27	3.0	4,323.68	7	199.4	277
1,172.47	27,117	31	73	3.15	4.3	763.91	3	40.3	141
1,769.55	32,611	47	58	3.14	5.4	209.06	2	16.0	171
22,009.23	1,210,651	356	283	5.15	1.8	29,703.69	36	1,378.1	8,927
13,701.59	517,369	221	195	5.17	2.6	33,069.45	35	1,159.5	2,935
2,032.88	39,264	47	70	3.60	5.2	....	......	....	168

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Urban Municipalities Served by the Hydro-Electric Power Commission for the Year 1932

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through the Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, which is an important factor in determining the rates to consumers, is also stated.

Cost of Power to Municipalities

The figures of the first column in the table represented the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission." In accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

From the commencement of its operations, the Commission introduced in the municipalities which it serves, scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

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*Except townships served as parts of rural power districts, for which consult latter part of Section III.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The average amount of power sold, per consumer, under these rates is approximately 40 horsepower—consult Statement "D." The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where the load conditions and other circumstances permit, lower rates are available for 10-hour power, and for other forms of restricted service. For these classifications, discounts additional to those listed in the table are applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1932, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Acton	33.03	33-66	60	2.2	1.1	0.83	10
Agincourt	37.32	33-66	50	4	2	1.11	10
Ailsa Craig	44.75	33-66	55	3.5	1.5	0.83	10
Alexandria T	64.06	33-66	60	5	2	1.11	10
Alliston	57.93	33-66	40	4.5	2	1.39	10
Alvinston	95.40	33-66	60	6	2	2.22	10
Amherstburg T	35.18	33-66	55	3	1.5	0.83	10
Ancaster twp.	30.12	33-66	55	3	1.5	0.83	10
Apple Hill	51.70	33-66	60	6	2	1.66	10
Arkona	78.60	33-66	55	6	2	1.94	10
Arthur	88.01	33-66	40	6	2	1.67	10
Athens	60.07	33-66	40	6	2	2.22	10
Aylmer T	33.98	33-66	60	2.3	1.2	0.83	10
Ayr	32.22	33-66	55	3	1.25	1.11	10
Baden	32.17	33-66	60	2.5	1.25	0.83	10
Barrie T	34.61	33-66	60	2.5	1.25	0.83	10
Bath	90.83	33-66	40	6	2	3.33	10
Beachville	31.93	33-66	55	3	1.5	0.83	10
Beaverton	41.74	33-66	60	2.5	1.25	1.11	10
Beeton	74.96	33-66	35	7	2	1.67	10
Belle River	37.74	33-66	55	3.5	1.5	1.11	10
Belleville C	35.59	33-66	60	2.5	1.25	0.83	10
Blenheim	42.02	33-66	60	2.5	1.25	0.83	10
Bloomfield	58.83	33-66	50	3	1.5	0.83	10
Blyth	54.17	33-66	50	4	2	1.66	10
Bolton	42.21	33-66	55	3.2	1.6	1.11	10
Bothwell	51.26	33-66	60	2.5	1.25	0.83	10
Bowmanville T	38.75	33-33	60	4.5	2	0.83	10
Bradford	69.04	33-66	35	5.5	2	1.67	10
Brampton T	29.79	33-66	60	2	1	0.83	10
Brantford C	27.20	33-66	60	2	1	0.83	10
Brantford twp.	30.88	33-66	60	2.5	1.25	1.11	10
Brechin	52.83	33-66	45	5	2	1.67	10
Bridgeport	34.16	33-66	55	3	1.5	0.83	10
Brigden	61.97	33-66	60	4	2	1.38	10
Brighton	43.43	33-66	60	5	2	1.11	10
Brockville T	31.35	33-66	50	2	1	0.83	10
Brussels	49.92	33-33	50	5	2	1.66	10
Burford	34.92	33-66	60	2.5	1.25	1.11	10
Burgessville	58.62	33-66	50	4	2	1.11	10

*To distinguish them from the smaller municipalities and suburban districts the cities are indicated by a C and the towns of population 2,000 or more by a T; corresponding to the grouping in Statement "D."

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

"E"

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.2	0.6	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	4	1	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10
5	3.5	0.75	0.83	10	32.00	1.00	3.1	2	0.33	....	......	10
5	5	1	1.66	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	4.5	1	1.39	10	35.00	1.00	3.5	2.3	0.33	....	......	10
7.5	6	1	2.22	10	59.00	1.00	7.1	4.7	0.33	....	......	10
5	3	0.75	0.83	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3	0.75	0.83	10	31.00	1.00	2.9	1.9	0.33	....	......	10
5	6	1	2.22	10	55.00	1.00	6.5	4.3	0.33	....	......	10
7.5	6	1	1.94	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	6	1	1.67	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	6	1	2.22	10	60.00	1.00	7.2	4.8	0.33	....	......	10
5	2.3	0.6	0.83	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	3	0.75	1.11	10	38.00	1.00	4	2.6	0.33	....	......	10
5	2.5	0.75	0.83	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	2.5	1	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	6	1	3.33	10	......	......	......	......	......	....	......	......
5	3	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	....	10	10
5	2.5	1	1.11	10	25.00	1.00	2	1.3	0.33	....	......	10
5	7	1	1.67	10	38.00	1.00	4	2.6	0.33	....	......	10
5	3.5	0.75	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	2.5	1	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	2.5	0.75	0.83	10	34.00	1.00	3.4	2.2	0.33	....	......	10
5	3	1	0.83	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	4	1	1.66	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	3.2	1	1.11	10	36.00	1.00	3.7	2.4	0.33	....	......	10
5	2.5	0.75	0.83	10	38.00	1.00	4	2.6	0.33	....	......	10
5	4.5	2	0.83	10	27.00	1.00	2.3	1.5	0.33	....	......	10
5	5.5	1	1.67	10	38.00	1.00	4	2.6	0.33	....	......	10
5	2	0.75	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
	†3.5 ††1.75	0.35	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	2.5	0.75	1.11	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	5	1	1.67	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	3	0.75	0.83	10	32.00	1.00	3.1	2	0.33	....	......	10
5	4	1	1.38	10	48.00	1.00	5.4	3.6	0.33	....	......	10
5	5	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2	0.75	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	5	1	1.66	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	2.5	0.75	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	4	1	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10

†First 30 hours per kw-hr.
††Next 70 hours per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1932, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate: Number of kw-hr. per month	First rate: Per kw-hr. per month	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
	$ c.	cents		cents	cents	$ c.	%
Caledonia	30.09	33–66	60	2.5	1.25	0.83	10
Campbellville	58.61	33–66	40	6	2	2.22	10
Cannington	43.67	33–66	55	3	1.5	1.11	10
Cardinal	37.81	33–66	50	3.5	2	1.39	10
Carleton Place......T	34.15	33–66	50	4	2	0.83	10
Cayuga	45.38	33–66	45	5	2	1.66	10
Chatham..........C	30.22	33–66	60	2.5	1.11	0.83	10
Chatsworth	46.96	33–66	40	5.5	2	1.67	10
Chesley	38.28	33–66	55	3	1.5	1.11	10
Chesterville	41.32	33–66	50	3	1.5	0.83	10
Chippawa	24.35	33–66	60	2.5	1.25	1.11	10
Clifford	58.71	33–66	50	5	2	1.66	10
Clinton	37.78	33–66	60	2.5	1.5	1.11	10
Cobourg...........T	38.30	33–66	50	4	2	0.83	10
Coldwater	36.75	33–66	55	2.5	1.25	1.11	10
Collingwood........T	39.60	33–66	55	2.5	1	0.83	10
Comber	47.27	33–66	50	4	2	1.38	10
Cookstown	55.60	33–66	35	7	2	1.67	10
Cottam	43.44	33–66	50	4	2	1.66	10
Courtright	73.41	33–66	50	6	2	2.22	10
Creemore	53.81	33–66	50	4	2	1.11	10
Dashwood	48.41	33–66	45	5	2	1.11	10
Delaware	37.70	33–66	50	4	2	1.11	10
Deseronto	51.92	33–66	50	6	2	1.11	10
Dorchester	40.30	33–66	60	2.6	1.5	0.83	10
Drayton	57.96	33–66	55	3.5	1.5	1.11	10
Dresden	42.69	33–66	60	2.5	1.25	1.11	10
Drumbo	39.80	33–66	50	4	1.5	1.11	10
Dublin	56.52	33–66	60	6	2	1.67	10
Dundalk	41.52	33–66	55	3	1.5	1.11	10
Dundas............T	26.13	33–66	60	2	1	0.83	10
Dunnville..........T	32.95	33–66	60	2.5	1.25	0.83	10
Durham	45.93	33–66	50	2.5	1.25	0.83	10
Dutton	34.87	33–66	60	2.4	1.2	0.83	10
East Windsor......C	31.23	33–66	60	2.5	1	0.83	10
East York twp	31.35	33–66	60	2.2	1.2	0.83	10
Elmira............T	33.28	33–66	60	3	1.25	0.83	10
Elmvale	41.65	33–66	55	3	1.5	0.83	10
Elmwood	44.36	33–66	45	5	2	1.39	10
Elora	35.12	33–66	55	3	1.5	1.11	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2.5	0.75	0.83	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	6	1	2.22	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	3	1	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3.5	1	1.39	10	40.00	1.00	4.3	2.8	0.33	min. 3.33	......	10
5	4	1	0.83	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	5	1	1.66	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	5.5	1	1.67	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	3	1	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10
5	3	1	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2.5	0.75	1.11	10	25.00	1.00	2	1.3	0.33	....	......	10
5	5	1	1.66	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	2.5	1	1.11	10	33.00	1.00	3.2	2.1	0.33	....	......	10
5	4	1	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	2.5	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2.5	1	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	4	1	1.38	10	36.00	1.00	3.7	2.4	0.33	....	......	10
5	7	1	1.67	10	43.00	1.00	4.7	3.1	0.33	....	......	10
5	4	1	1.66	10	43.00	1.00	4.7	3.1	0.33	min 2.22	......	10
7.5	6	1	2.22	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	4	1	1.11	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	5	1	1.11	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	4	1	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	6	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2.6	1	0.83	10	34.00	1.00	3.4	2.2	0.33	....	......	10
5	3.5	0.75	1.11	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	2.5	0.75	1.11	10	33.00	1.00	3.2	2.1	0.33	....	......	10
5	4	1	1.11	10	44.00	1.00	4.8	3.2	0.33	....	......	10
5	6	1	1.67	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	3	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2	0.6	0.83	10	19.00	1.00	2	1.4	0.33	....	25	10
5	2.5	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	....	10	10
5	2.5	1	0.83	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	2.4	0.75	0.83	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	2.2	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	....	10	10
5	3	0.75	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	3	1	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	5	1	1.39	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	3	0.75	1.11	10	26.00	1.00	2.2	1.4	0.33	....	......	10

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1932, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Embro	43.65	33–66	55	3.5	2	1.67	10
Erieau	58.87	33–66	45	5	2	1.67	10
Erie Beach	69.59	33–66	50	7	2	1.94	10
Essex	34.55	33–66	55	3	1.25	0.83	10
Etobicoke twp.	27.41	33–66	60	2.2	1.2	0.83	10
Exeter	36.94	33–66	55	3	1.5	0.83	10
Fergus	34.89	33–66	55	3	1.5	1.11	10
Finch	62.10	33–66	45	5	2	1.94	10
Flesherton	50.13	33–66	55	3.5	1.5	1.11	10
Fonthill	35.19	33–66	55	3	1.5	1.38	10
Forest	49.31	33–66	55	3.5	1.5	1.11	10
Fort William . . . C	25.69	33–66	50	2.5	1	0.83	10
Galt . . . C	27.43	33–66	60	2.5	1.25	0.83	10
Gamebridge	.....	33–66	45	5	2	1.67	10
Georgetown . . . T	35.32	33–66	60	2.2	1.1	0.83	10
Glencoe	64.51	33–66	55	3.5	2	1.11	10
Glen Williams	.....	33–66	60	3	1.5	0.83	10
Goderich . . . T	41.28	33–66	55	3	1.5	0.83	10
Grand Valley	64.88	33–66	45	5	2	1.39	10
Granton	52.78	33–66	55	3	1.5	1.11	10
Gravenhurst	28.01	33–66	60	2	1	0.83	10
Guelph . . . C	27.62	33–33	60	2	1	0.83	10
Hagersville	30.85	33–66	60	2	1	0.83	10
Hamilton . . . C	24.99	33–66	60	2	1	0.83	10
Hanover . . . T	35.81	33–66	55	3	1.5	0.83	10
Harriston	43.25	33–66	55	4	1.5	1.11	10
Harrow	36.13	33–66	55	3	1.5	0.83	10
Hastings	51.99	33–66	50	6	2	2.22	10
Havelock	52.25	33–66	50	5	2	0.83	10
Hensall	49.23	33–66	55	3.5	1.5	1.11	10
Hespeler . . . T	28.44	33–66	60	2.7	1.5	0.83	10
Highgate	50.15	33–66	50	4	2	1.11	10
Holstein	130.10	33–66	60	9	5	1.67	10
Hornings Mills	.....	33–66	30	8	2	1.67	10
Humberstone	28.33	33–66	60	2.5	1.25	0.83	10
Huntsville . . . T	25.75	33–66	55	2.5	1.25	0.83	10
Ingersoll . . . T	29.26	33–66	60	2	1.2	0.83	10
Jarvis	37.93	33–66	50	4	2	1.11	10
Kemptville	39.20	33–66	50	3.5	2	0.83	10
Kincardine . . . T	56.56	33–66	40	4	2	1.11	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	3.5	1	1.67	10	42.00	1.00	4.6	3	0.33	....	......	10
5	5	1	1.67	10	50.00	1.00	5.7	3.8	0.33	min. 2.22	......	10
5	7	1	1.94	10	60.00	1.00	7.2	4.8	0.33	....	......	10
5	3	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2.2	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	....	10	10
5	3	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	3	1.5	1.11	10	31.00	1.00	2.9	1.9	0.33	....	......	10
5	5	1	2.50	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	3.5	1	1.11	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	3	0.75	1.38	10	32.00	1.00	3.1	2	0.33	....	......	10
5	3.5	0.75	1.11	10	42.00	1.00	4.6	3	0.33	....	......	10
5	2.5	1	0.83	10	22.00	1.00	1.75	1	0.1	....	......	10
5	2.5	0.6	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	5	1	1.67	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	2.2	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	....	10	10
5	3.5	1	1.11	10	48.00	1.00	5.4	3.6	0.33	....	......	10
5	3	0.75	0.83	10	36.00	1.00	3.7	2.4	0.33	....	......	10
5	3	0.75	0.83	10	33.00	1.00	3.2	2.1	0.33	....	......	10
5	5	1	1.39	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	3	1	1.11	10	33.00	1.00	3.2	2.1	0.33	....	......	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	2	0.5	0.83	10	15.00	1.00	1.3	0.8	0.33	....	25	10
5	2	0.75	0.83	10	22.00	1.00	1.9	1.3	0.33	....	10	10
	†3.5 ††1.75	0.35	0.83	10	20.00	1.00	1.67	1.11	0.133	....	10	10
5	3	1	0.83	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	4	1	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10
5	3	1	0.83	10	34.00	1.00	3.4	2.2	0.33	....	......	10
5	6	2	2.22	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	5	1	0.83	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3.5	1	1.11	10	35.00	1.00	3.5	2.3	0.33	min. 2.22	....	10
5	2.7	0.75	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	4	1	1.11	10	38.00	1.00	4	2.6	0.33	....	......	10
5	9	5	1.67	10	74.00	1.00	9.3	6.2	0.33	....	......	10
5	8	1	1.67	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	2.5	0.75	0.83	10	29.00	1.00	2.6	1.7	0.33	....	......	10
5	2.5	1	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	2	0.6	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	4	0.75	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10
5	3.5	1	0.83	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	4	1	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10

†First 30 hours per kw-hr.
††Next 70 hours per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1932, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Kingston..........C	24.00–36.00	33–66	50	2	1	0.83	10
Kingsville..........T	36.58	33–66	55	3	1.25	0.83	10
Kirkfield............	67.53	33–66	40	6	2	2.22	10
Kitchener..........C	26.90	33–66	60	2	1.2	0.83	10
Lakefield...........	51.31	33–66	50	3	2	0.83	10
Lambeth............	39.62	33–66	50	4	2	1.11	10
Lanark.............	47.51	33–66	50	4	2	0.83	10
Lancaster...........	96.34	33–66	60	6	2	1.94	10
LaSalle.............	34.71	33–66	50	3.8	1.8	1.11	10
Leamington........T	35.25	33–66	55	2.6	1.25	0.83	10
Leaside.............	.....	*3	..	**2	1.5	0.83	10
Lindsay...........T	43.80	33–66	40	3	1.5	0.83	10
Listowel...........T	35.80	33–66	60	2.5	1.25	1.11	10
London............C	25.95	33–66	60	2	1	0.83	10
London twp.........	32.34	33–66	55	3	1.5	1.11	10
Long Branch.......T	30.04	33–66	60	2.2	1.2	0.83	10
Lucan..............	35.76	33–66	55	3.5	1.5	1.11	10
Lucknow...........	63.73	33–66	45	4.5	2	1.67	10
Lynden.............	36.04	33–66	55	3.5	1.5	1.38	10
Madoc.............	47.15	33–66	50	4	2	0.83	10
Markdale...........	39.67	33–66	55	3	1.5	1.11	10
Markham...........	40.75	33–66	55	3.5	1.5	1.11	10
Marmora...........	50.34	33–66	60	5	2	1.11	10
Martintown.........	54.01	33–66	40	6	2	1.66	10
Maxville............	58.40	33–66	60	6	2	1.66	10
Meaford...........T	45.36	33–66	55	3	1.5	0.83	10
Merlin..............	48.18	33–66	50	4.5	2	1.11	10
Merritton..........T	23.10	33–66	60	2	1	0.83	10
Midland...........T	33.25	33–66	60	2	1	0.83	10
Milton.............	34.10	33–66	55	3	1.5	0.83	10
Milverton...........	34.86	33–66	60	3	1.5	1.11	10
Mimico............T	25.93	33–66	60	2.4	1.2	0.83	10
Mitchell............	32.60	33–33	60	2.5	1.5	0.83	10
Moorefield..........	62.02	33–66	50	4.5	2	1.39	10
Mount Brydges......	38.84	33–66	55	3	1.5	1.11	10
Mount Forest.......	54.63	33–66	60	2.25	1.25	0.83	10
Napanee...........T	37.22	33–66	50	4	2	0.83	10
Neustadt...........	111.03	33–66	60	8	2	1.67	10
Newbury...........	58.61	33–66	45	5	2	1.38	10
New Hamburg......	33.42	33–66	60	3	1.5	0.83	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*Service charge per 100 sq. ft.

**Per kw-hr. for first 3 kw-hr. per 100 sq. ft.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2	0.75	0.83	10	20.00	1.00	1.5	1	0.33	....	10	10
5	3	0.75	0.83	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	6	1	2.22	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	2	0.75	0.83	10	19.00	1.00	2	1.4	0.33	....	25	10
5	3	1	0.83	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	4	1	1.11	10	38.00	1.00	4	2.6	0.33	....	......	10
5	4	1	1.11	10	60.00	1.00	7.2	4.8	0.33	....	......	10
5	6	1	2.78	10	69.00	1.00	8.6	5.7	0.33	....	......	10
5	3.8	1	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	2.6	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10
......	†4 & 2	1	0.83	10	23.28	1.00	1.8	1.1	0.33	....	......	10
5	3	1	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5.4	2.5	0.75	1.11	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	2	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	3	0.75	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2.2	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	....	10	10
5	3.5	0.75	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	4.5	1	1.67	10	43.00	1.00	4.7	3.1	0.33	....	......	10
5	3.5	1.5	0.83	10	32.00	1.00	3.1	2	0.33	....	......	10
5	4	1	0.83	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	3.5	1	1.11	10	38.00	1.00	4	2.6	0.33	....	......	10
5	5	1	1.11	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	6	1	2.22	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	6	1	2.22	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	3	1	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	4.5	1	1.11	10	37.00	1.00	3.8	2.5	0.33	min. 2.22	......	10
5	2	0.75	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	2	1	0.83	10	17.00	1.00	1.7	1.1	0.33	....	25	10
5	3	0.75	0.83	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	3	1	1.11	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	2.4	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	....	10	10
5	2.5	0.75	0.83	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	4.5	1	1.11	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	3	0.75	1.11	10	36.00	1.00	3.7	2.4	0.33	....	......	10
5	2.25	1	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	4	1	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	8	1	1.67	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	5	1	1.38	10	53.00	1.00	6.2	4.1	0.33	....	......	10
5	3	1	0.83	10	30.00	1.00	2.8	1.8	0.33	....	......	10

†First 70 hours 4 cents per kw-hr.
Next 70 hours 2 cents per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1932, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
New Toronto.......T	28.46	33–66	60	2	1.1	0.83	10
Niagara Falls......C	20.91	33–66	60	2	1	0.83	10 & 10
Niagara-on-the-Lake.	26.88	33–66	60	2.2	1.25	0.83 to1.11	10
Nipigon twp.........	22.80	33–66	55	3.5	1.25	1.39	10
North York twp.....	32.33	33–66	55	3	1.5	1.11	10
Norwich...........	34.67	33–66	60	2.5	1.25	0.83	10
Norwood...........	42.86	33–66	50	5	2	1.11	10
Oil Springs..........	44.56	33–66	50	4	2	1.11	10
Omemee............	.....	33–66	60	4	2	1.11	10
Orangeville........T	47.99	33–66	60	2.5	1.25	1.11	10
Oshawa...........C	38.39	33–66	40	3.5	1.5	0.83	10
Ottawa...........C	14.77	33–66	60 60	2 1	0.5	0.83	10
Otterville...........	50.58	33–66	55	3	1.5	1.11	10
Owen Sound.......C	34.73	33–66	60	2	1	0.83	10
Paisley.............	66.28	33–66	45	5	2	1.67	10
Palmerston.........	38.44	33–66	60	2.7	1.5	1.11	10
Paris..............T	27.97	33–66	60	2	1	0.83	10
Parkhill............	57.71	33–66	50	4.5	2	1.38	10
Penetanguishene....T	38.37	33–66	55	3	1.5	0.83	10
Perth.............T	32.35	33–66	55	3	1.25	0.83	10
Peterborough.......C	32.07	33–66	50	2.5	1.25	0.83	10
Petrolia............T	39.43	33–66	60	2.5	1.25	0.83	10
Picton.............T	46.86	33–66	60	2.5	1.25	0.83	10
Plattsville..........	51.94	33–66	45	5	2	1.66	10
Point Edward.......	37.09	33–66	55	3	1.5	0.83	10
Port Arthur....... C	25.11	33–66	30	2	1	0.83	10 & 10
Port Colborne......T	28.61	33–66	60	2.5	1.25	0.83	10
Port Credit.........	32.68	33–66	60	2.2	1.2	0.83	10
Port Dalhousie......	29.27	33–66	60	2.2	1.2	0.83	10
Port Dover.........	39.81	33–66	50	3	1.25	1.11	10
Port Elgin..........	41.26	33–66	40	4	2	1.39	10
Port Hope.........T	40.63	33–66	60	3.5	2	0.83	10
Port McNicoll.......	42.40	33–66	50	3.5	1.5	0.83	10
Port Perry..........	52.09	33–66	50	3.5	1.5	1.11	10
Port Rowan.........	60.59	33–66	60	6	2	1.66	10
Port Stanley........	37.75	33–66	55	3	1.5	0.83	10
Prescott...........T	30.92	33–66	60	2	1	0.83	10
Preston............T	27.14	33–66	60	2.5	1.25	0.83	10
Priceville...........	86.44	33–66	60	8	2	1.67	10
Princeton...........	46.17	33–66	50	3.5	2	1.66	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	2	0.6	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	2	0.35	0.83	15	15.00	1.00	1.3	0.8	0.33	....	25	10
5	2.2	0.75	0.83	10	28 00	1.00	2.5	1.6	0.33	min. 2.00	......	10
5	3.5	1	1.39	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	3	0.75	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	....	......	10
5	5	1	1.11	10	38.00	1.00	4	2.6	0.33	....	......	10
5	4	1	1.11	10	34.00	1.00	3.4	2.2	0.33	....	......	10
5	4	1	1.11	10	37.00	1.00	3.8	2.5	0.33	....	......	10
5	2.5	1.25	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	3.5	1	0.83	10	22.00	1.00	1.9	1.3	0.33	....	10	10
......	†5 ††2.2	0.5	0.83	10	20.00	1.00	1.8	1.2	0.15	....	15	10
5	3	1	1.11	10	36.00	1.00	3.7	2.4	0.33	....	......	10
5	2	1	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	5	1	1.67	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	2.7	1	1.11	10	28.00	1.00	2.5	1.6	0.33	....	......	10
5	2	0.75	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	4.5	1	1.38	10	48.00	1.00	5.4	3.6	0.33	....	......	10
5	3	1	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	3	1	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	2.5	1	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	2.5	0.75	0.83	10	29.00	1.00	2.6	1.7	0.33	....	......	10
5	2.5	1	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	5	1	1.66	10	48.00	1.00	5.4	3.6	0.33	min. 2.00	......	10
5	3	0.75	0.83	10	27.00	1.00	2.3	1.5	0.33	....	......	10
5	2	0.5	0.83	10&10	22.00	1.00	1.75	1	1	....	......	10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	....	......	10
5	2.2	0.75	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	2.2	0.75	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	3	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	4	1	1.39	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3.5	1	0.83	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	3.5	1	0.83	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3.5	1	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	6	2	1.66	10	60.00	1.00	7.2	4.8	0.33	....	......	10
5	3	0.75	0.83	10	37.00	1.00	3.8	2.5	0.33	min. 1.11	......	10
5	2	1	0.83	10	22.00	1.00	1.9	1.3	0.33	....	10	10
5	2.5	0.75	0.83	10	19.00	1.00	2	1.4	0.33	....	25	10
5	8	1	1.67	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	3.5	1	1.66	10	42.00	1.00	4.6	3	0.33	....	......	10

†First 30 hours per kw-hr.
††Next 70 hours per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1932, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Queenston	28.26	33–66	65	3	1.5	1.38	10
Richmond	52.47	33–66	35	6	2	1.95	10
Richmond Hill	34.15	33–66	60	2.5	1.25	0.83	10
Ridgetown	41.31	33–66	60	2.2	1.25	0.83	10
Ripley	82.50	33–66	50	7	2	1.67	10
Riverside.....T	32.38	33–66	55	3	1.25	0.83	10
Rockwood	39.86	33–66	60	2.5	1.25	1.11	10
Rodney	48.93	33–66	55	3	1.5	0.83	10
Rosseau	118.84	*33	..	8	2	*2.22	10
Russell	63.34	33–66	50	6	2	1.66	10
St. Catharines.....C	23.37	33–66	30–60	2	1	0.83	10
St. Clair Beach	37.40	33–66	55	4	1.5	1.66	10
St. George	42.08	33–66	60	2	1.25	0.83	10
St. Jacobs	32.15	33–66	60	3	1.5	1.11	10
St. Marys.....T	32.76	33–66	60	2.5	1.5	1.11	10
St. Thomas.....C	26.94	33–66	60	2	1	0.83	10
Sandwich.....T	31.81	33–66	60	2.5	1	0.83	10
Sarnia.....C	32.69	33–66	60	2.4	1.1	0.83	10
Scarboro twp.	30.17	33–33	60	2.6	1.3	0.83	10
Seaforth	34.78	33–66	60	2.5	1.25	0.83	10
Shelburne	45.24	33–66	50	3	1.5	1.11	10
Simcoe.....T	30.88	33–66	60	2	1.25	0.83	10
Smiths Falls.....T	29.52	33–66	55	3	1.5	0.83	10
Southampton	40.25	33–66	40	4	2	1.39	10
Springfield	52.38	33–66	55	3.5	1.5	1.11	10
Stamford twp.	21.36	33–66	60	2	1.2	0.83	10
Stayner	41.75	33–66	55	2.5	1.25	0.83	10
Stirling	32.87	33–66	45	2.5	1.25	0.83	10
Stouffville	44.26	33–66	55	3.5	1.5	1.11	10
Stratford.....C	28.43	33–66	60	2.3	1.25	0.83	10
Strathroy.....T	32.21	33–66	60	2.5	1.25	0.83	10
Sunderland	62.96	33–66	45	5	2	1.39	10
Sutton	52.37	33–66	50	4.5	2	1.11	10
Tara	49.30	33–66	40	4	2	1.11	10
Tavistock	37.34	33–66	60	2.5	1.25	0.83	10
Tecumseh.....T	35.38	33–66	55	3.5	1.5	1.11	10
Teeswater	61.03	33–66	60	5	2	1.67	10
Thamesford	39.21	33–66	60	2.5	1.5	1.11	10
Thamesville	41.76	33–66	55	3	1.25	0.83	10
Thedford	73.68	33–66	50	6	2	1.66	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*According to consumers' demand.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	3	1	1.38	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	6	1	2.22	10	60.00	1.00	7.2	4.8	0.33	....	......	10
5	2.5	0.75	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	2.2	0.75	0.83	10	22.00	1.00	1.9	1.3	0.33	....	10	10
5	7	1	1.67	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	3	0.8	0.83	10	28.00	1.00	2.5	1.6	0.33	....	......	10
5	2.5	0.75	1.11	10	42.00	1.00	4.6	3	0.33	....	......	10
5	3	0.75	0.83	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	8	2	*2.22	10	58.00	1.00	6.9	4.6	0.33	....	......	10
5	6	1	2.22	10	56.00	1.00	6.6	4.4	0.33	....	......	10
......	†3.5 ††1.75	0.35	0.83	10	17.00	1.00	1.67	1.13	0.16	....	25	10
5	4	1	1.66	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	2	0.75	0.83	10	32.00	1.00	3.1	2	0.33	....	......	10
5	3	1	1.11	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	2.5	0.75	1.11	10	27.00	1.00	2.3	1.5	0.33	....	......	10
5	2	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	....	25	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	....	10	10
5	2.4	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	2.5	0.75	0.83	10	29.00	1.00	2.6	1.7	0.33	....	......	10
5	3	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2	0.75	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	3	1	0.83	10	26.00	1.00	2.2	1.4	0.33	....	......	10
5	4	1	1.39	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3.5	1	1.11	10	42.00	1.00	4.6	3	0.33	....	......	10
5	2.25	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	2.5	1	0.83	10	28.00	1.00	2.5	1.6	0.33	....	......	10
5	2.5	1	0.83	10	28.00	1.00	2.5	1.6	0.33	....	......	10
5	3.5	1	1.11	10	43.00	1.00	4.7	3.1	0.33	....	......	10
5	2.3	0.75	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	2.5	0.75	0.83	10	27.00	1.00	2.3	1.5	0.33	....	......	10
5	5	1	1.39	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	4.5	1	1.11	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	4	1	1.11	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	2.5	0.75	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	3.5	0.8	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10
5	5	1	1.67	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	2.5	0.75	1.11	10	31.00	1.00	2.9	1.9	0.33	....	......	10
5	3	0.75	0.83	10	32.00	1.00	3.1	2	0.33	....	......	10
7.5	6	1	1.66	10	55.00	1.00	6.5	4.3	0.33	....	......	10

*According to consumers' demand.
†First 30 hours per kw-hr.
††Next 70 hours per kw-hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1932, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hr. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Thorndale	63.84	33–66	50	4	2	1.38	10
Thornton	72.27	33–66	60	8	2	1.67	10
Thorold T	24.85	33–66	60	2	1	0.83	10
Tilbury	36.39	33–66	60	2.5	1.25	0.83	10
Tillsonburg T	33.70	33–66	60	2	1.2	0.83	10
Toronto C	25.85	*3	..	**2	1	0.83	10
Toronto twp.	30.90	33–66	55	2.8	1.4	1.11	10
Tottenham	97.34	33–66	30	7	2	1.67	10
Trafalgar twp., Area 1	.....	55–	60	3.5	2	1.11	10
Trafalgar twp., Area 2	.....	66–88	55	3.5	2	1.38	10
Trenton T	29.66	33–66	50	3.5	1.5	0.83	10
Tweed	67.22	33–66	60	5.5	2	1.11	10
Uxbridge	54.29	33–66	50	3.5	1.5	1.11	10
Victoria Harbour	46.60	33–66	55	3	1.5	1.11	10
Walkerton T	36.68	33–66	50	3.5	2	1.11	10
Walkerville T	28.58	33–66	60	2.5	1	0.83	10
Wallaceburg T	36.22	33–66	60	2.5	1.2	0.83	10
Wardsville	66.38	33–66	40	6	2	1.66	10
Warkworth	54.25	33–66	50	5	2	1.55	10
Waterdown	30.99	33–66	60	2.5	1.25	0.83	10
Waterford	32.25	33–66	60	2	1	0.83	10
Waterloo T	27.45	33–66	60	2	1.25	0.83	10
Watford	54.74	33–66	50	4	2	1.11	10
Waubaushene	41.62	33–66	55	2.5	1.25	1.11	10
Welland C	24.04	33–66	60	2.2	1.1	0.83	10
Wellesley	49.72	33–66	50	4	2	1.11	10
Wellington	46.80	33–66	50	2.5	1.25	0.83	10
West Lorne	39.38	33–66	55	3	2	1.11	10
Weston T	26.56	33–66	60	2	1	0.83	10
Westport	79.07	33–66	30	8	2	3.05	10
Wheatley	49.31	33–66	50	4	2	1.39	10
Whitby T	37.56	33–66	60	3	1.25	.94	20
Wiarton	68.76	33–66	40	6	2	1.67	10
Williamsburg	38.12	33–66	60	3	2	1.39	10
Windermere	76.33	§33	..	8	2	§2.22	10
Winchester	39.50	33–66	60	2.5	1.25	0.83	10
Windsor C	28.36	33–66	60	2.5	1	0.83	10
Wingham T	63.61	33–66	45	4	1.5	1.11	10
Woodbridge	34.32	33–66	55	3	1.5	0.83	10
Woodstock C	27.80	33–66	60	2	1	0.83	10
Woodville	58.35	33–66	50	4	2	1.11	10
Wyoming	62.84	33–66	50	4.5	2	1.38	10
York tp. (inc. Swansea and Forest Hill)	.....	33–66	60	2	1.3	0.83	10
Zurich	59.09	33–66	50	4.5	2	1.38	10

NOTE.—Domestic service charge—33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when over 2,000 watts.

*Service charge per 100 sq. ft. §According to consumers' demand.

**Per kw-hr. for first 3 kw-hr. per 100 sq. ft.

"E"—Concluded

Domestic Service—Commercial Light Service—Power Service Served by the Hydro-Electric Power Commission

Commercial light service					Power service							
Service charge per 100 watts min. 1000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours monthly use of demand	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Minimum or maximum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5	4	1	1.38	10	48.00	1.00	5.4	3.6	0.33	....	......	10
5	8	1	1.67	10	58.00	1.00	6.9	4.6	0.33	....	......	10
5	2	0.5	0.83	10	18.00	1.00	1.9	1.3	¶0.33	....	25	10
									0.295	..		
5	2.5	0.75	0.83	10	22.00	1.00	1.9	1.3	0.33	....	10	10
5	2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	....	10	10
......	†4 & 2	1	0.83	10	......	D.C.*a*	2.5	1.25	0.60	....	......	10
					......	A.C.*b*	1.5	0.75	0.33	....	......	10
5	2.8	0.75	1.11	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	7	1	1.67	10	45.00	1.00	4.9	3.3	0.33	....	......	10
......	‡8 & 4	1	1.11	10	37.00	1.00	3.5	2 3	1	....	......	10
5	3.5	1.5	1.38	10	38.00	1.00	3.5	2.3	1.5	....	......	10
5	3.5	1	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	5.5	1	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10
5	3.5	1	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	3	1	1.11	10	40.00	1.00	4.3	2.8	0.33	....	......	10
5	3.5	1	1.11	10	32.00	1.00	3.1	2	0.33	....	......	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	2.5	0.7	0.83	10	25.00	1.00	2	1.3	0.33	....	......	10
5	6	1	1.66	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	5	1	1.55	10	45.00	1.00	4 9	3.3	0.33	....	......	10
5	2.5	0.75	0.83	10	28.00	1.00	2.5	1.6	0.33	....	......	10
5	2	0.75	0.83	10	20.00	1.00	1.6	1	0.33	....	10	10
5	2.25	1	0.83	10	19.00	1.00	2	1.4	0.33	....	25	10
5	4	1	1.11	10	43.00	1.00	4.7	3.1	0.33	....	......	10
5	2.5	1	1.11	10	33.00	1.00	3.2	2.1	0.33	....	......	10
5	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	4	1	1.11	10	35.00	1.00	3.5	2.3	0.33	....	......	10
5	2.5	1	0.83	10	36.00	1.00	3.7	2.4	0.33	....	......	10
5	3	1	1.11	10	30.00	1.00	2.8	1.8	0.33	....	......	10
5	2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	....	25	10
5	8	1	§3.05	10	50 00	1.00	5.7	3.8	0.33	....	......	10
5	4	1	1.39	10	43.00	1.00	4.7	3.1	0.33	....	......	10
5.6	3	1	.94	20	25.00	1.00	2	1.3	0.33	....	......	10
5	6	1	1.67	10	45.00	1.00	4.9	3.3	0.33	....	......	10
5	3	1	1.39	10	55.00	1.00	6.5	4.3	0.33	....	......	10
5	8	2	§2.22	10	58.00	1.00	6.9	4.6	0.33	....	......	10
5	2.5	1	0.83	10	50.00	1.00	5.7	3.8	0.33	min. 2.22	......	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	....	10	10
5	4	1	1.11	10	38.00	1.00	4	2.6	0.33	....	......	10
5	3	1	0.83	10	22.00	1.00	1.9	1.3	0.33	....	10	10
5	2	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	....	25	10
5	4	1	1.11	10	35 00	1.00	3.5	2.3	0.33	....	......	10
5	4.5	1	1.38	10	50.00	1.00	5.7	3.8	0.33	....	......	10
5	2	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	....	10	10
5	4.5	1	1.38	10	50.00	1.00	5.7	3.8	0.33	min. 2.77	......	10

¶Next 260 hours per kw-hr.

†First 70 hours, 4 cents per kw-hr.
Next 70 hours, 2 cents per kw-hr.

‡First 30 hours, 8 cents per kw-hr.
Next 70 hours, 4 cents per kw-hr.

a. D.C. Service charge $1.35 per h.p. for first 10 h.p., plus $1.00 per h.p. for additional h.p.

b. A.C. Service charge $1.25 per h.p. for first 10 h.p., plus $1.00 per h.p. for additional h.p.

APPENDIX I

ACTS

CHAPTER 14

The Power Commission Act, 1932.

Assented to March 29th, 1932.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. This Act may be cited as *The Power Commission Act, 1932.* Short title.

2. By-law number 1244 of the corporation of the town of Bowmanville; by-law number 1467 of the corporation of the town of Cobourg; by-law number 1619 of the corporation of the town of Trenton; by-law number 1462 of the corporation of the town of Walkerton; by-law number 306 of the corporation of the town of Wiarton; by-law number 2 of 1931 of the corporation of the village of Bath; by-law number 779 of the corporation of the village of Port Elgin; by-law number 40 of the corporation of the village of Rosseau; by-law number 704 of the corporation of the village of Streetsville; by-law number 181 of the corporation of the village of Westport; by-law number 45 of the corporation of the village of Windermere; by-law number 1628 of the corporation of the township of North York; and all debentures issued or to be issued or purporting to be issued under any of the said by-laws which authorize the issue of debentures are confirmed and declared to be legal, valid and binding upon such corporations and the ratepayers thereof respectively and shall not be open to question upon any ground whatsoever notwithstanding the requirements of *The Power Commission Act* or the amendments thereto or any other general or special Act of this Legislature. By-laws confirmed. Rev. Stat., c. 57.

3. This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

CHAPTER 56

An Act respecting the Sandwich, Windsor and Amherstburg Railway.

Assented to March 29th, 1932.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Sandwich, Windsor and Amherstburg Railway Act, 1932.*

1930, c. 17, s. 3, amended.

2. Section 3 of *The Sandwich, Windsor and Amherstburg Railway Act, 1930*, is amended by adding thereto the following clause:

Appointment of substitute.

(*c*) Each corporation may by by-law passed annually appoint a substitute in the place and stead of the member appointed by it under clause *a* to act and vote at meetings of the company, held during the year which the member may find himself unable to attend, and for such purpose the substitute shall have and may exercise all the powers and authority of the member at such meetings.

1930, c. 17, s. 23, amended.

3.—(1) Section 23 of *The Sandwich, Windsor and Amherstburg Railway Act, 1930*, is amended by adding at the end thereof the following words, "except in accordance with the provisions hereinafter in this section contained."

1930, c. 17, s. 23, amended.

(2) The said section 23 is further amended by adding thereto the following subsections:

Substitution of debentures on boundary alterations.

(2) If by reason of any alteration in the boundaries of the municipalities of the corporations made either before or after the date of enactment of this Act the commission in its discretion shall have determined or shall hereafter determine that an adjustment be made in the respective liabilities of the corporations heretofore or hereafter arising in respect of the operation of the railway and in the respective amounts of debentures of the respective corporations mortgaged, hypothecated and pledged to the trustee under the indenture securing the bonds of the commission, the company, subject to the terms of such trust indenture, may with the approval of the commission and shall when directed by the commission cancel, release and deliver up to any corporation any debentures issued and deposited by it with the commission together with all coupons attached thereto.

(3) Such debentures shall be cancelled, released and delivered only upon the issue and delivery to the company in substitution therefor of new debentures of one or more of the corporations to an aggregate principal amount at least equal to the aggregate principal amount of the debentures of the corporation or corporations to be released. When substitution to be made.

(4) Such new debentures shall carry interest from the interest payment date next preceding the date of the issue and delivery of said new debentures, and bear the same rate of interest and mature on the same date and be payable in the same manner and upon the same terms as the debentures of the corporations to be released. Terms of new debentures.

(5) Such new debentures shall be held and disposed of by the company upon the same trusts and upon the same terms and conditions and for the same purposes as the debentures of the corporations to be released. Application of new debentures.

(6) For the purpose of carrying out such substitution of debentures as aforesaid the corporations or any of them may, and, when directed by the commission, shall authorize by by-law the issue and delivery to the company of such new debentures. Issue of new debentures.

(7) In the event that the trustee under any such trust indenture shall sell or otherwise dispose of any or all of the municipal debentures mortgaged, hypothecated and pledged thereunder such trustee shall detach and cancel all coupons attached to said debentures which have matured prior to the date of such sale or other disposition. Cancellation of matured coupons.

(8) The commission, the company, the trust company and each of the corporations shall have power to do and perform all acts, matters and things necessary to fully carry into effect the provisions of this section and the terms and requirements of any adjustment made thereunder: Power to carry out adjustment.

4. Section 29 of *The Sandwich, Windsor and Amherstburg Railway Act, 1930*, is repealed and the following substituted therefor: 1930 c. 17, s. 29, repealed.

29.—(1) None of the corporations shall grant or permit to be granted or renewed to any person, any right, privilege, license or franchise to maintain, use or operate any bus, jitney, taxicab or other vehicle for the purpose of transportation of passengers for gain or hire which may in any way come into competition with the railway or prejudicially affect its revenues. Protection of revenues of railway.

(2) The company may require the corporations or any of them to pass such by-laws as may be necessary to effectually prevent such competition or prejudicial effect upon revenues of the railway, including the prescribing of minimum rates of fares to be charged for the transportation of passengers in any such bus, jitney, taxicab or other vehicle. Municipal by-laws.

Jurisdiction of Municipal Board.

(3) If upon being requested in writing so to do by the company, any of the corporations shall fail within thirty days after receipt of such request to pass any by-law as aforesaid or such by-law as may be approved by the company, the company may apply to the Ontario Municipal Board for an order to compel the corporation forthwith to pass such by-law as the said board may prescribe, and for such purpose the said board shall have all jurisdiction and power necessary therefor, and the provisions of *The Ontario Municipal Board Act, 1932*, shall apply.

1932, c. 27.

Council's powers.

Rev. Stat., c. 233.

(4) Notwithstanding the provisions of *The Municipal Act*, the councils of the corporations shall have and exercise all the powers necessary to pass any by-law required to be passed under this section, and the powers in that behalf of a board of police commissioners, if any, established in any of the municipalities shall, for the purposes of this section, be exercisable by the council only and in lieu of the board of police commissioners.

1930, c. 17, amended.

5. *The Sandwich, Windsor and Amherstburg Railway Act, 1930*, is amended by adding thereto the following sections:

Outstanding deficits.

29a.—(1) It is hereby declared that the sums due and owing as of the 23rd day of December, 1931, by the respective corporations under the Acts, including this Act, agreements and mortgage deed of trust relating to the railway are as set forth in the first column of schedule "B" to this Act opposite the names of such respective corporations.

Provision for such deficits.

1932, c. 27.

(2) Subject as in *The Ontario Municipal Board Act, 1932*, may otherwise be provided, the said respective corporations shall include in their estimates for the year 1932 the respective sums set opposite their names in column 4 of said schedule with interest thereon as hereinafter provided and shall raise and levy the same in the year 1932 by a special rate on all the rateable property in the said respective municipalities rateable therefor and shall pay the same to the trustee under the said mortgage deed of trust together with interest thereon at the rate of six per centum per annum from the 23rd day of December, 1931, until the date of payment, which shall be not later than the 23rd day of December, 1932.

Sinking fund and depreciation.

(3) Notwithstanding the provisions contained in said Acts, agreements and mortgage deed of trust or in any demands or certificates heretofore or hereafter made by the commission or the trustee pursuant thereto the corporations shall not be obliged until such time or times as the Lieutenant-Governor in Council may direct to pay the amounts set opposite the names of said respective corporations in the second and third columns of the said schedule or any accrued interest thereon or any further amounts which pursuant to the provisions of the said Acts or agreements or mortgage deed of trust may

hereafter become due and owing by them or any of them in respect of deficits for sinking fund or for reserves for renewals, obsolescence and depreciation in connection with the operation of the railway and the said mortgage deed of trust shall be read and construed accordingly; but such unpaid amounts shall be raised and levied by the respective corporations and paid over to the trustee or its successor in the trust from time to time in such amounts with interest at such rate and from such date as the Lieutenant-Governor in Council may from time to time direct.

Certificates.

(4) The certificates of the commission to the trustee as to the respective amounts from time to time due and owing by the corporations in respect of deficits for sinking fund or reserves as aforesaid shall be conclusive evidence of the fact.

Confirmation of mortgage deed of trust.

29*b*.—The mortgage deed of trust dated 31st July, 1931, made between the company, the commission and Guaranty Trust Company of Canada, as trustee, is hereby amended by adding after the word "interest" in the heading of Article IV thereof the words "and principal," and as so amended the said mortgage deed of trust and all the provisions, covenants and stipulations therein contained are hereby declared to be legal, valid and binding, and subject to the provisions of section 29*a* of this Act the corporations shall be bound to comply with all demands made upon them by said trustee pursuant to the provisions of said mortgage deed of trust.

Validation of bonds and debentures.

29*c*. It is hereby declared that the bonds of the commission to the aggregate principal amount of five million eight hundred and sixteen thousand two hundred and five dollars ($5,816,205.00) guaranteed as to the payment of both principal and interest by the Province of Ontario referred to in this Act, are legal, valid and binding outstanding obligations, and that the debentures heretofore issued by the corporations and deposited with the commission in respect of said bonds of the commission and the by-laws authorizing the issue thereof are legal, valid and binding upon the respective corporations and the ratepayers thereof and that the said debentures were issued and deposited with the commission in accordance with the agreement dated 1st January, 1920, and amendments thereof referred to in the recitals to this Act.

Penalties.

29*d*. Where under the provisions of the Acts, including this Act, agreements or mortgage deed of trust relating to the railway it is the duty of the council of any of the corporations to pass any by-law or resolution respecting any matter relating to the affairs of the railway and the council fails or neglects to pass the same within sixty days after being notified so to do, each member of the council, unless he shows that he made reasonable efforts to procure the passing of such by-law or resolution shall be liable to a penalty of not less than $25 and not more

Rev. Stat., c. 121.

than $100 recoverable in the same manner as penalties for breach of the provisions of municipal by-laws under *The Municipal Act.*

By-laws Nos. 792 and 920, Township of Sandwich West, confirmed.

29*e*. By-laws numbers 792 and 920 of the corporation of the township of Sandwich West are and each of them is confirmed and declared to be legal, valid and binding upon the said corporation and the ratepayers thereof.

Commencement of Act.

6. This Act shall come into force on the day upon which it receives the Royal Assent.

SCHEDULE "B"

Name of Corporation	Column 1	Column 2 Sinking Fund	Column 3 Renewals	Column 4
	$ c.	$ c.	$ c.	$ c.
Township of Sandwich East	6,285.39	485.83	1,101.88	4,697.68
Township of Sandwich West	31,618.52	2,443.95	5,543.03	23,631.54
City of East Windsor	48,603.95	3,756.85	8,520.73	36,326.37
Town of Walkerville	78,145.02	6,040.23	13,699.56	58,405.23
Town of Sandwich	74,809.24	5,782.40	13,114.76	55,912 08
Town of Ojibway	5,476.36	407.73	1,296.51	3,772.12
Town of Amherstburg	23,268.56	1,798.55	4,079.20	17,390.81
City of Windsor	271,786.07	21,007.76	47,646.66	203,131 65
Town of Tecumseh	9,574.09	740.04	1,678.43	7,155.62
Town of Riverside	19,972.36	1,543.77	3,501.35	14,927.24
Town of LaSalle	10,539.46	814.66	1,847.67	7,877.13
	580,079.02	44,821.77	102,029.78	433,227.47

CHAPTER 57

An Act respecting the Hamilton Street Railway Company.

Assented to March 29th, 1932.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Hamilton Street Railway Company Act, 1932.*

Confirmation of agreement.

2. The agreement dated 20th October, 1931, between the Hamilton Street Railway Company and the municipal corporation of the City of Hamilton set forth in the schedule to this Act is hereby confirmed and declared to be legal, valid and binding upon the parties thereto.

Commencement of Act.

3. This Act shall come into force on the day upon which it receives the Royal Assent.

SCHEDULE

This Agreement made in triplicate this Thirtieth day of October, 1931.
BETWEEN:

THE CORPORATION OF THE CITY OF HAMILTON hereinafter called the City,
of the first part;

—and—

THE HAMILTON STREET RAILWAY COMPANY hereinafter called the Company,
of the second part.

Whereas by By-law No. 3336 of the City, passed on the 25th day of May, 1926, and the Agreement therein referred to, the consent, permission and authority of the City were given and granted to the Company to provide a modern and efficient street railway and transportation system on the streets of the City, and by the terms of section 9 of the said Agreement, the Company must pay as therein provided, to the City, quarterly, four per centum of its gross receipts;

And whereas on the application of the Company, the Ontario Railway and Municipal Board issued its order dated 24th April, 1931, approving and permitting the operation by the Company of street railway cars operated by one employee on all routes of the Company's system;

And whereas the said order *inter alia* provides that the Company may operate street railway cars operated by one employee on the route known as the belt line route on and after January 2nd, 1932;

And whereas the City has made an application to the Board to vary the said order, and such application has from time to time been adjourned at the suggestion of the Board in order that some agreement may be arrived at between the parties as to what, if any, amendment should be made to the said order;

And whereas conferences have taken place between the City and the Company, and between the Company and its employees, which have resulted in an Agreement as hereinafter set out:

Now therefore this Agreement witnesseth that in consideration of the premises, the parties hereto have agreed as follows:

1. The Company consents to an Order being made by the Ontario Railway and Municipal Board amending the said Order dated 24th April, 1931, as follows:

(*a*) The word "September" in the second line of the paragraph numbered "2" be stricken out, and the word "November" substituted therefor.

(*b*) The figures "1932" following the word "January" in the third line of paragraph numbered "3," and in the eighth line of paragraph numbered "4" be stricken out, and the figures "1933" substituted therefor in each case.

2. The City hereby agrees that notwithstanding the provisions of section 9 of the Agreement dated 25th May, 1926, between the City and the Company, the Company shall not be required to pay to the City more than two and two-thirds per centum of its gross receipts in and for the year 1932, but save as aforesaid, the said Agreement shall remain in full force and effect.

3. The Parties hereto agree to join in an application to the Legislature of the Province of Ontario at its next Session for such legislation as may be necessary to confirm and ratify this Agreement and to declare the same to be valid, legal and binding upon the Parties hereto.

In witness whereof the Parties hereto have caused this Agreement to be executed by their duly authorized officers, and have affixed hereto their respective corporate seals.

SIGNED, SEALED AND DELIVERED

CORPORATION OF THE CITY OF HAMILTON.
(Signed) JOHN PEEBLES,
Mayor.
(SEAL)
(Signed) S. H. KENT,
City Clerk.

THE HAMILTON STREET RAILWAY COMPANY.
(Signed) J. R. COOKE,
President.
(SEAL)
(Signed) W. W. POPE,
Secretary.

CHAPTER 99

An Act respecting the Windsor, Essex and Lake Shore Electric Railway Association.

Assented to March 29th, 1932.

Preamble.

WHEREAS the Windsor, Essex and Lake Shore Electric Railway Association has by its petition prayed for special legislation in respect of certain matters affecting the Association and the municipalities which it represents; and whereas it is expedient to grant the prayer of the said petition;

Therefore, His Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Short title.

1. This Act may be cited as *The Windsor, Essex and Lake Shore Rapid Railway Act, 1932.*

Municipal Board Act, 1932 to apply to the Association.

2. The Windsor, Essex and Lake Shore Electric Railway Association is hereby declared to be a municipality within the meaning of *The Ontario Municipal Board Act, 1932*, and the provisions thereof shall extend and apply to the said Association, in the same manner and to the same extent, *mutatis mutandis*, as such provisions may apply to a municipality.

Commencement of Act.

3. This Act shall come into force on the day upon which it receives the Royal Assent.

APPENDIX II

TRANSMISSION LINE RECORDS

Corrected to October 31, 1932

including

Summaries of data respecting mileage of transmission lines built or acquired by the Hydro-Electric Power Commission. The sizes, materials, lengths, and weights of conductors, and other particulars of the high-voltage steel-tower transmission lines, the wood-pole transmission lines —excepting 4,000 volts or less—and the telephone lines.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

The total mileage of lines built and acquired by the Commission up to October 31, 1932, for the various systems, excepting all lines operating at less than 4,000 volts, is indicated in the following table:

TOTAL MILEAGE OF TRANSMISSION LINES

System and type of construction	Miles
Niagara system—220,000-volt, steel-supported transmission lines	703.72
Northern Ontario system—132,000-volt, steel-supported transmission lines	189.00
Niagara system—110,000-volt, steel-supported transmission lines	731.91
Niagara system—110,000-volt, wood-supported transmission lines	68.75
Eastern Ontario system—110,000-volt, steel-supported transmission lines	52.94
Eastern Ontario system—110,000-volt, wood-supported transmission lines	61.58
Thunder Bay system—110,000-volt, steel-supported transmission lines	82.12
Thunder Bay system—110,000-volt, wood-supported transmission lines	81.79
Thunder Bay system—22,000-volt, wood-supported transmission lines	0.35
Thunder Bay system—12,000-volt, wood-supported transmission lines	1.45
Georgian Bay system—110,000-volt, wood-supported transmission lines	55.83
Niagara system—90,000-volt, steel-supported transmission lines	65.72
Niagara system—60,000-volt, steel-supported transmission lines	54.07
Niagara system—60,000-volt, wood-supported transmission lines	17.12
Niagara system—46,000-volt, steel-supported transmission lines	16.94
Niagara system—46,000-volt, wood-supported transmission lines	21.54
Niagara system—30,000-volt, wood-supported transmission lines	13.29
Niagara system—26,400-volt, wood-supported transmission lines	608.00
Niagara system—13,200-volt, wood-supported transmission lines	434.26
Niagara system—12,000-volt, wood-supported transmission lines	106.71
Dominion Power system—44,000-volt, steel-supported transmission lines	37.37
Dominion Power system—44,000-volt, wood-supported transmission lines	153.85
Dominion Power system—22,000-volt, wood-supported transmission lines	28.23
Dominion Power system—22,000-volt, concrete pole transmission lines	10.55
Dominion Power system—11,500-volt, wood-supported transmission lines	7.33
Dominion Power system—10,000-volt, wood-supported transmission lines	6.76
Georgian Bay system—(38,000-volt)	54.28
Georgian Bay system—(6,600-volt)	2.30
Georgian Bay system—	
Severn district—(22,000-volt)	177.01
Eugenia district—(22,000-volt)	322.58
Wasdells district—(22,000-volt)	83.72
Muskoka district—(38,000-volt and less)	26.46
Eastern Ontario system—	
Central Ontario district—(44,000-volt and less)	506.55
St. Lawrence district—(44,000-volt)	120.01
Rideau district—(26,400-volt)	76.87
Madawaska district—(33,000-volt and less)	58.71
Northern Ontario system—	
Nipissing district—(22,000-volt)	51.32
Sudbury district—(22,000-volt)	33.23
Total	5,124.22
Total separate wood-pole telephone lines for high-voltage systems	1,131.06

NOTE.—Of the above the Niagara system and a part of the Northern Ontario system are operated at 25 cycles. The other systems are operated at 60 cycles.

TRANSMISSION LINE RECORDS—ALL SYSTEMS

TOTAL MILEAGES AND WEIGHTS OF CONDUCTORS

Type of construction	Wire miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Under construction Oct. 31, 1932
High-voltage lines, 220,000 volts, Niagara system	1,810.68	300.48	4.14	9,790,346	1,624,695	14.353
High-voltage lines, 132,000 volts, Northern Ontario system	1,134.00	....	....	3,161,592	....	....
High-voltage lines, 110,000 volts and less, Niagara system	5,245.32	....	2.04	16,306,499	....	8,400
High-voltage lines, 110,000 volts, Thunder Bay system	750.30	....	....	1,932,880	....	....
High-voltage lines, 110,000 volts, Eastern Ontario system	351.45	....	....	1,078,889	....	....
High-voltage lines, 110,000 volts, Georgian Bay system	176.01	....	....	229,264	....	....
Wood and steel power lines built and acquired by the Commission	9,710.34	21.96	48.90	8,838,141	19,097	32,503
Dominion Power system, acquired by the Commission	884.85	....	....	822,863	....	....
Telephone lines built and acquired by the Commission and erected on wood-pole lines carrying power conductors	4,907.76	....	....	1,155,717	....	....
High-voltage telephone lines, Niagara system, 220,000 volts	421.00	....	....	81,833	....	....
High-voltage telephone lines, Northern system, 132,000 volts	381.52	....	....	85,372	....	....
High-voltage telephone lines, Niagara system	3,804.36	....	....	733,054	....	....
High-voltage telephone lines, Eastern Ontario system	277.88	....	....	79,358	....	....
High-voltage telephone lines, Thunder Bay system	201.32	....	....	72,619	....	....
High-voltage telephone lines, Georgian Bay system	111.66	....	....	43,394	....	....
Totals	30,168.45	322.44	55.08	44,411,821	1,643,792	55,256

NOTE.—This table does not include lines operated at less than 6,600 volts.

NIAGARA SYSTEM—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

Type of construction	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
220,000-volt, steel-supported transmission lines......	603.56	100.16	703.72

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
795,000 c.m., a.c.s-r..............................	1,810.68	300.48	2,111.16

NORTHERN ONTARIO SYSTEM—ABITIBI DISTRICT—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

Type of construction	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
132,000-volt, steel-supported transmission lines......	189.00	....	189.00

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductor		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
336,400 c.m., a.c.s-r..............................	1,134.00	....	1,134.00

Note.—a.c.s-r = Aluminum conductor, steel-reinforced; weights include steel core.

220,000-VOLT TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS

Type	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
220,000-volt towers	3,003	503	3,511

WEIGHT OF POWER CONDUCTOR

Weight in pounds			Miles of single-circuit lines		
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1932
9,790,346	1,624,695	11,415,041	603.56	100.16	703.72

132,000-VOLT TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS

Type	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
132,000-volt towers	983	....	983

WEIGHT OF POWER CONDUCTOR

Weight in pounds			Miles of double-circuit lines		
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1932
3,161,592	....	3,161,592	189.00	....	189.00

EASTERN ONTARIO SYSTEM—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

Type of construction	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt, steel-supported transmission lines	52.94	....	52.94
110,000-volt, wood-supported transmission lines	61.58	....	61.58
Totals	114.52	....	114.52

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
477,000 c.m., a.c.s-r.	278.46	....	278.46	965,317	....	965,317
211,000 c.m., a.c.s-r. (4/0)	72.99	....	72.99	113,572	....	113,572
Totals	351.45	....	351.45	1,078,889	....	1,078,889

NOTE—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel core.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

Type	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt steel towers	299	....	299
110,000-volt wood poles	842	....	842
Totals	1,141	....	1,141

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Total miles single- and double-circuit lines Oct. 31, 1932
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	
87.56	....	87.56	2.63	....	2.63	90.19
24.33	....	24.33	....	....	....	24.33
111.89	....	111.89	2.63	....	2.63	114.52

NIAGARA SYSTEM—

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

Type of construction	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt steel-supported transmission lines	731.91	....	731.91
110,000-volt wood-supported transmission lines	68.75	....	68.75
90,000-volt steel-supported transmission lines	65.72	....	65.72
60,000-volt steel-supported transmission lines	54.07	....	54.07
60,000-volt wood-supported transmission lines	17.12	....	17.12
46,000-volt steel-supported transmission lines	16.94	....	16.94
46,000-volt wood-supported transmission lines	21.54	....	21.54
12,000-volt wood-supported transmission lines	2.05	....	2.05
Totals	978.10	....	978.10

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932
167,800 c.m., a.c.s-r	198.00	....	....	242,946	....	....
266,800 c.m., a.c.s-r	304.86	....	....	552,101	....	....
312,000 c.m., a.c.s-r	602.73	....	....	1,558,057	....	....
336,400 c.m., a.c.s-r	607.35	....	....	1,693,292	....	....
477,000 c.m., a.c.s-r	24.09	....	....	82,821	....	....
500,000 c.m., a.c.s-r	247.62	....	....	1,015,737	....	....
605,000 c.m., a.c.s-r	1,210.38	....	2.04	4,984,345	....	8,400
115,000 c.m., copper	27.54	....	....	51,472	....	....
133,079 c.m., copper	6.36	....	....	13,743	....	....
167,800 c.m., copper	616.86	....	....	1,679,710	....	....
190,000 c.m., copper	766.59	....	....	2,428,557	....	....
211,600 c.m., copper	528.75	....	....	1,815,199	....	....
500,000 c.m., aluminum	3.51	....	....	8,740	....	....
820,000 c.m., aluminum	36.06	....	....	108,180	....	....
5/16″ galv. steel	64.62	....	....	71,599	....	....
Totals	5,245.32	....	2.04	16,306,499	....	8,400

NOTE—a.c.s-r=Aluminum conductor, steel-reinforced; weights include steel core.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

Type	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt steel towers	6,211	....	6,211
110,000-volt wood poles	855	....	855
90,000-volt steel towers	747	....	747
60,000-volt steel towers	769	....	769
60,000-volt wood poles	506	....	506
46,000-volt steel towers	376	....	376
46,000-volt wood poles	672	....	672
12,000-volt wood poles	10	....	10
Totals	10,146	....	10,146

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Miles of four-circuit lines			Total miles one-, two- and four-circuit lines
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1932
66.00	....	....	....	....	....	....	....	....	66.00
37.12	....	....	32.25	....	....	....	....	....	69.37
22.25	....	....	89.33	....	....	....	....	....	111.58
6.39	....	....	98.03	....	....	....	....	....	104.42
7.61	....	....	0.21	....	....	....	....	....	7.82
0.62	....	....	40.96	....	....	....	....	....	41.58
2.06	....	0.68	195.64	....	....	2.53	....	....	200.23
9.18	....	....	....	....	....	....	....	....	9.18
....	....	....	1.06	....	....	....	....	....	1.06
....	....	....	102.81	....	....	....	....	....	102.81
9.07	....	....	123.23	....	....	....	....	....	132.30
4.05	....	....	54.24	....	....	15.88	....	....	74.17
1.17	....	....	....	....	....	....	....	....	1.17
12.02	....	....	....	....	....	....	....	....	12.02
21.54	....	....	....	....	....	....	....	....	21.54
199.08	....	0.68	737.76	....	....	18.41	....	....	955.25

THUNDER BAY SYSTEM—

MILEAGE OF HIGH-VOLTAGE LINES

Type of construction	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt steel-supported transmission lines	82.12	....	82.12
110,000-volt wood-supported transmission lines	81.79	....	81.79
22,000-volt wood-supported transmission lines	0.35	....	0.35
12,000-volt wood-supported transmission lines	1.45	....	1.45
Totals	165.71	....	165.71

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
336,400 c.m., a.c.s-r	282.36	....	282.36	787,220	....	787,220
4/0 a.c.s-r (211,000 c.m.)	233.67	....	233.67	363,590	....	363,590
190,000 c.m. copper	4.35	....	4.35	13,781	....	13,781
4/0 copper (211,000 c.m.)	213.39	....	213.39	732,568	....	732,568
2/0 copper (133,079 c.m.)	16.53	....	16.53	35,721	....	35,721
Totals	750.30	....	750.30	1,932,880	....	1,932,880

GEORGIAN BAY SYSTEM—

MILEAGE OF HIGH-VOLTAGE LINES

Type of construction	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt wood-supported transmission lines	55.83	....	55.83
Totals	55.83	....	55.83

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductor		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total completed to Oct. 31, 1932
3/0 a.c.s-r. (167,800 c.m.)	167.49	....	167.49
336,400 c.m., a.c.s-r	8.52	....	8.52
Totals	176.01	....	176.01

NOTE—a.c.s.r.=Aluminum conductor, steel-reinforced; weights include steel core.

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

Type	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt steel towers	554	....	554
110,000-volt wood poles	1,320	....	1,320
22,000-volt wood poles	15	....	15
12,000-volt wood poles	59	....	59
Totals	1,948	....	1,948

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit conductors			Miles of double-circuit conductors			Miles of three-circuit conductors	Total miles single-, double-, and three-circuit conductors
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1932
69.97	....	69.97	11.73	....	11.73	0.23	81.93
77.89	....	77.89	....	....	....	....	77.89
1.45	....	1.45	....	....	....	....	1.45
69.97	....	69.97	0.58	....	0.58	....	70.55
5.51	....	5.51	....	....	....	....	5.51
224.79	....	224.79	12.31	....	12.31	0.23	237.33

HIGH-VOLTAGE TRANSMISSION LINES

TOTAL NUMBER OF WOOD POLES

Type	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
110,000-volt wood poles	548	....	548
Totals	548	....	548

WEIGHT OF POWER CONDUCTORS

Weight in pounds			Miles of single-circuit lines			Total miles single-circuit lines
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total completed to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total completed to Oct. 31, 1932	Completed to Oct. 31, 1932
205,510	....	205,510	55.83	....	55.83	55.83
23,754	....	23,754	2.84	....	2.84	2.84
229,264	....	229,264	58.67	....	58.67	58.67

NIAGARA SYSTEM—WOOD-POLE TELEPHONE LINES

SIZE, MATERIAL, LENGTH AND WEIGHT

	Wire miles of conductors		Weight in pounds		Miles of single-circuit lines	
Size and material	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932
No. 8 B. & S.G. copper....	32.18	....	8,494	....	16.09	....
No. 9 B. & S.G. copper....	989.38	....	206,780	....	132.79	....
No. 10 B. & S.G. copper....	1,158.78	....	192,357	....	212.51	....
No. 11 B. & S.G. copper....	107.68	....	14,106	....	53.84	....
No. 8 copper-clad steel.....	145.20	....	35,574	....	....	....
No. 19 p-i. l-c. cable........	992.30	....	118,928	....	....	....
No. 22 p-i. l-c. cable........	34.00	....	1,885	....	....	....
No. 14 p-i. l.c. cable........	210.00	....	76,296	....	....	....
No. 12 weather-proof iron...	2.84	....	886	....	1.42	....
6 x .0661 steel, 1 x .0661 alum.	132.00	....	77,748	....	66.00	....
Totals................	3,804.36	....	733,054	....	482.65	....

NOTE—B. & S.G.=Browne & Sharpe gauge.

FOR HIGH-VOLTAGE TRANSMISSION LINES

OF CONDUCTORS (Excluding 220,000-volt lines)

Miles of double-circuit lines		Miles of four-circuit lines		Miles of paper-insulated lead-covered copper cable		Total mileage 1-, 2-, 4-, and miscellaneous circuits completed to Oct. 31, 1932
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	
....	....	....	....	....	....	16.09
168.85	....	6.05	....	....	....	307.69
178.44	....	....	....	....	....	390.95
....	....	....	....	....	....	53.84
36.30	....	....	....	....	....	36.30
....	....	....	....	14.62	....	14.62
....	....	....	....	0.34	....	0.34
....	....	....	....	2.50	....	2.50
....	....	....	....	....	....	1.42
....	....	....	....	....	....	66.00
383.59	....	6.05	....	17.46	....	889.75

NOTE—B.W.G.=Birmingham wire gauge.
p-i. l-c. cable=Paper-insulated lead-covered cable.

THUNDER BAY SYSTEM—WOOD-POLE TELEPHONE

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
3 x 12 galv. steel	13.24	....	13.24	6,514	....	6,514
3 x 13 galv. steel	161.26	....	161.26	61,279	....	61,279
No. 6 a.c.s-r	18.32	....	18.32	3,517	....	3,517
No. 10 copper-clad steel	8.50	....	8.50	1,309	....	1,309
Totals	201.32	....	201.32	72,619	....	72,619

NOTE—a.c.s-r. = Aluminum conductor, steel-reinforced. Weights include steel core.

LINE FOR HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines Completed to Oct. 31, 1931	Miles of single-circuit lines Completed Oct 31, 1931 to Oct. 31, 1932	Total mileage completed to Oct. 31, 1932
6.62	....	6.62
80.63	....	80.63
9.16	....	9.16
4.25	....	4.25
100.66	....	100.66

WOOD AND STEEL-POLE TRANSMISSION AND TELEPHONE LINES

(Excluding High-Voltage Lines)

TOTAL MILEAGE OF LINES AND NUMBER OF POLES

Lines	Miles completed To Oct. 31, 1931	Miles completed Oct. 31, 1931 to Oct. 31, 1932	Miles completed Total to Oct. 31, 1932
Low-tension lines completed	2,665.98	7.32	2,673.30
Low-tension lines under construction	....	10.00	10.00
Single-circuit lines completed	2,104.33	7.32	2,111.65
Double-circuit lines completed	544.38	....	544.38
Three-circuit lines completed	16.94	....	16.94
Five-circuit lines completed	0.33	....	0.33
Single-circuit telephone lines completed	2,152.32	....	2,152.32
Double-circuit telephone lines completed	144.24	....	144.24
Three-circuit telephone lines completed	7.67	....	7.67
STEEL AND WOOD POLES			
Number of poles erected	100,614	302	100,916
Number of steel towers erected	21	....	21
Number of poles under construction	....	330	330

NIAGARA SYSTEM—TELEPHONE LINES

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Completed to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Completed to Oct. 31, 1932
No. 6 a.c. s-r..........	362.14	....	362.14	69,531	....	69,531
No. 9 copper...........	58.86	....	58.86	12,302	....	12,302
Totals............	421.00	....	421.00	81,833	....	81,833

EASTERN ONTARIO SYSTEM—

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Total to Oct. 31, 1932
3 x .0661 aluminum.... 4 x .0661 steel........	128.62	....	128.62	40,258	....	40,258
1 x .0661 aluminum.... 6 x .0661 steel........	99.26	....	99.26	39,100	....	39,100
Totals............	227.88	....	227.88	79,358	....	79,358

GEORGIAN BAY SYSTEM—TELEPHONE LINE

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors			Weight in pounds		
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Total to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	Total to Oct. 31, 1932
1 x .0661 aluminum.... 6 x .0661 steel........	111.66	....	111.66	43,394	....	43,394
Totals............	111.66	....	111.66	43,394	....	43,394

NOTE—a.c.s-r. = Aluminum conductor, steel-reinforced; weights include steel core.

FOR 220,000-VOLT LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines		Total mileage of single-circuit lines completed to Oct. 31, 1932
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	
181.07	....	181.07
29.43	....	29.43
210.50	....	210.50

HIGH-VOLTAGE TELEPHONE LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines		Total mileage of single-circuit lines completed to Oct. 31, 1932
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	
64.31	....	64.31
49.63	....	49.63
113.94	....	113.94

FOR HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Miles of single-circuit lines		Total to Oct. 31, 1932
Completed to Oct. 31, 1931	Completed Oct. 31, 1931, to Oct. 31, 1932	
55.83	....	55.83
55.83	....	55.83

WOOD-POLE

SUMMARY—

GAUGE, LENGTH AND

Size and material	Wire miles of conductors: Completed to Oct. 31, 1931	Wire miles of conductors: Completed Oct. 31, 1931 to Oct. 31, 1932	Wire miles of conductors: Under construction Oct. 31, 1932	Weight in pounds: Completed to Oct. 31, 1931	Weight in pounds: Completed Oct. 31, 1931 to Oct. 31, 1932	Weight in pounds: Under construction Oct. 31, 1932
1,035,500 c.m. aluminum	1.68			8,610		
500,000 c.m. aluminum	120.03			298,875		
345,000 c.m. aluminum	248.10			423,010		
336,400 c.m. aluminum	7.26			12,052		
300,000 c.m. aluminum						
173,000 c.m. aluminum	57.57			49,856		
4/0 aluminum (211,600 c.m.)	770.10			808,605		
3/0 aluminum (167,800 c.m.)	1,966.14			1,639,761		
2/0 aluminum (133,079 c.m.)	170.10			113,116		
1/0 aluminum (105,534 c.m.)	645.51			338,893		
No. 2 aluminum (66,373 c.m.)	292.47			96,515		
477,000 c.m. a.c.s-r	103.80			356,864		
605,000 c.m. a.c.s-r	0.45			1,853		
336,400 c.m. a.c.s-r	277.80			774,506		
125,000 c.m. a.c.s-r	233.34			214,673		
4/0 a.c.s-r (211,600 c.m.)	367.14			571,270		
3/0 a.c.s-r (167,800 c.m.)	349.47	11.34		428,800	13,914	
2/0 a.c.s-r (133,079 c.m.)	128.70			125,740		
1/0 a.c.s-r (105,534 c.m.)	920.67		30.00	714,440		23,280
No. 2 a.c.s-r (66,373 c.m.)	1,445.55	10.62	18.90	705,428	5,183	9,223
No. 4 a.c.s-r (41,742 c.m.)	65.04			19,902		
190,000 c.m. copper	102.57			324,942		
173,000 c.m. copper						
115,000 c.m. copper	24.96			46,650		
4/0 copper (211,600 c.m.)	10.20			35,017		
3/0 copper (167,800 c.m.)	2.94			8,006		
2/0 copper (133,079 c.m.)	235.89			509,758		
1/0 copper (105,534 c.m.)	220.32			376,747		
No. 1 copper (83,694 c.m.)	63.00			85,806		
No. 2 copper (66,373 c.m.)	69.33			74,807		
No. 3 copper (52,634 c.m.)	37.53			32,088		
No. 4 copper (41,742 c.m.)	137.28			92,801		
No. 6 copper (26,250 c.m.)	95.34			40,520		
3 x 12 galv. steel (35,643 c.m.)	18.57			9,136		
1/4″ galv. steel (48,223 c.m.)	52.50			34,650		
9/32″ galv. steel (62,200 c.m.)	84.75			74,919		
7/16″ galv. steel (153,200 c.m.)	0.30			657		
5/16″ galv. steel (83,200 c.m.)	315.39			349,452		
6 galv. iron (41,000 c.m.)	68.55			39,416		
Totals	9,710.34	21.96	48.90	8,838,141	19,097	32,503

NOTE.—a.c.s-r = Aluminum cable, steel-reinforced; weights include steel core.

TRANSMISSION LINES

(Excluding High-Voltage Lines)

WEIGHT OF CONDUCTORS

Miles of single-circuit lines			Miles of double-circuit lines			Miles of three-circuit lines			Total circuit miles of one,- two-, three-, circuit lines completed to Oct. 31, 1932
Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	
0.56	......	......	......	......	......	......	......	......	0.56
1.33	......	......	19.34	......	......	......	......	......	20.67
2.06	......	......	40.32	......	......	......	......	......	42.38
......	......	......	1.21	......	......	......	......	......	1.21
......	......	......	......	......	......	......	......	......	......
2.63	......	......	8.28	......	......	......	......	......	10.91
184.58	......	......	36.06	......	......	......	......	......	220.64
242.67	......	......	198.18	......	......	5.45	......	......	446.30
30.40	......	......	13.15	......	......	......	......	......	43.55
145.55	......	......	34.81	......	......	......	......	......	180.36
90.19	......	......	3.65	......	......	......	......	......	93.84
34.60	......	......	......	......	......	......	......	......	34.60
0.15	......	......	......	......	......	......	......	......	0.15
88.78	......	......	1.91	......	......	......	......	......	90.69
77.78	......	......	......	......	......	......	......	......	77.78
100.14	......	......	11.12	......	......	......	......	......	111.26
90.62	3.78	......	10.85	......	......	1.39	......	......	106.64
27.56	......	......	7.76	......	......	......	......	......	35.32
305.77	......	10.00	0.56	......	......	......	......	......	306.33
433.02	3.54	6.30	23.20	......	......	.81	......	......	460.57
21.68	......	......	......	......	......	......	......	......	21.68
10.47	......	......	11.86	......	......	......	......	......	22.33
......	......	......	......	......	......	......	......	......	......
7.86	......	......	0.23	......	......	......	......	......	8.09
0.88	......	......	1.26	......	......	......	......	......	2.14
0.56	......	......	0.21	......	......	......	......	......	0.77
32.09	......	......	23.27	......	......	......	......	......	55.36
50.92	......	......	11.26	......	......	......	......	......	62.18
21.00	......	......	......	......	......	......	......	......	21.00
17.05	......	......	3.03	......	......	......	......	......	20.08
11.57	......	......	0.47	......	......	......	......	......	12.04
19.40	......	......	13.18	......	......	......	......	......	32.58
31.78	......	......	......	......	......	......	......	......	31.78
6.19	......	......	......	......	......	......	......	......	6.19
17.50	......	......	......	......	......	......	......	......	17.50
28.25	......	......	......	......	......	......	......	......	28.25
0.10	......	......	......	......	......	......	......	......	0.10
98.01	......	......	3.56	......	......	......	......	......	101.57
22.85	......	......	......	......	......	......	......	......	22.85
2,256.55	7.32	16.30	478.73	......	......	7.65	......	......	2,750.25

TELEPHONE

ERECTED ON WOOD-POLE LINES

GAUGE, LENGTH AND WEIGHT OF ALUMINUM,

Size and material	Wire miles of conductors				Weight in	
	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932
No. 9 B. & S.G. copper	594.98	....	20.00	594.98	124,351	....
No. 10 B. & S.G. Copper	253.66	....	....	253.66	42,107	....
No. 11 B. & S.G. copper	4.44	....	....	4.44	702	....
No. 12 B. & S.G. copper	85.92	....	....	85.92	8,936	....
No. 8 B. & S.G. c-c steel	135.44	....	....	135.44	33,183	....
No. 9 B. & S.G. c-c steel	1.20	....	....	1.20	233	....
No. 10 B. & S.G. c-c steel	969.90	....	....	969.90	149,365	....
No. 17 B. & S.G. c-c steel	....	....	....	....	....	....
No. 6 B.W.G. galv. iron	15.32	....	....	15.32	8,778	....
No. 8 B.W.G. galv. iron	....	....	....	....	....	....
No. 9 B.W.G. galv. iron	1,616.94	....	....	1,616.94	493,167	....
No. 10 B.W.G. galv. iron	73.08	....	....	73.08	18,270	....
No. 12 B.W.G. galv. iron	82.92	....	....	82.92	13,682	....
No. 6 a.c.s-r	808.64	....	....	808.64	155,259	....
3 x .0661 alum. and 4 x .0661 steel	52.34	....	....	52.34	16,382	....
¼″ galv. steel	1.48	....	....	1.48	977	....
3 x 12 galv. steel	88.88	....	....	88.88	43,729	....
3 x 13 galv. steel	122.62	....	....	122.62	46,596	....
Totals	4,907.76	....	20.00	4,907.76	1,155,717	....

NOTE.—For telephone lines generally on wood poles and serving 220,000-volt and 110,000-volt power lines, see separate table.

c-c steel = Copper-clad steel. a.c.s.r = Aluminum cable, steel-reinforced.

LINES

CARRYING POWER CONDUCTORS

COPPER-CLAD STEEL AND GALVANIZED IRON WIRE

pounds		Miles of single-circuit lines			Miles of double-circuit lines			Single and double-circuit lines completed to Oct. 31, 1932
Under construction Oct. 31, 1932	Completed to Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	Completed to Oct. 31, 1931	Completed Oct. 31, 1931 to Oct. 31, 1932	Under construction Oct. 31, 1932	
4,240	124,351	286.23	....	10.00	5.63	....	....	291.86
....	42,107	126.83	....	....	....	....	....	126.83
....	702	2.22	....	....	....	....	....	2.22
....	8,936	42.96	....	....	....	....	....	42.96
....	33,183	67.72	....	....	....	....	....	67.72
....	233	1.60	....	....	....	....	....	1.60
....	149,365	477.91	....	....	3.18	....	....	481.09
....	....	....	....	....	....	....	....	....
....	8,778	7.66	....	....	....	....	....	7.66
....	....	....	....	....	....	....	....	....
....	493,167	808.47	....	....	....	....	....	808.47
....	18,270	36.54	....	....	....	....	....	36.54
....	13,682	41.46	....	....	....	....	....	41.46
....	155,259	299.94	....	....	52.19	....	....	352.13
....	16,382	26.17	....	....	....	....	....	26.17
....	977	0.74	....	....	....	....	....	0.74
....	43,729	44.44	....	....	....	....	....	44.44
....	46,596	61.31	....	....	....	....	....	61.31
4,240	1,155,717	2,332.20	....	10.00	61.00	....	....	2,393.20

B. & S.G. = Browne & Sharpe Gauge.
B.W.G. = Birmingham wire gauge.

DOMINION POWER SYSTEM

MILEAGE OF LINES

Type of construction	Total to Oct. 31, 1932
44,000-volt, steel-supported transmission lines	37.37
44,000-volt, wood-supported transmission lines	153.85
22,000-volt, wood-supported transmission lines	28.23
22,000-volt, concrete pole-supported transmission lines	10.55
11,500-volt, wood-supported transmission lines	7.33
10,000-volt, wood-supported transmission lines	6.76
Totals	244.09

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors
	Total to Oct. 31, 1932
605,000 c.m. a.c.s-r	3.93
465,000 c.m. aluminum	58.50
157,500 c.m. copper	372.84
198,600 c.m. copper	10.98
133,079 c.m., copper (2/0)	93.66
105,534 c.m., copper (1/0)	9.33
66,373 c.m., copper (2)	222.33
52,634 c.m., copper (3)	32.41
41,742 c.m., copper (4)	40.59
26,250 c.m., copper (6)	20.28
Totals	884.85

NORTHERN ONTARIO SYSTEM—

WOOD-POLE TELEPHONE LINE FOR

SIZE, MATERIAL, LENGTH AND

Size and material	Wire miles of conductors	
	Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932
6 x .0661 steel 1 x .0661 aluminum	60.00	60.00
6 x .0661 aluminum 1 x .0661 steel	321.52	321.52
Totals	381.52	381.52

a.c.s.r. = Aluminum cable, steel-reinforced.

WEIGHT OF POWER CONDUCTORS

Weight in pounds	Miles of single-circuit conductors	Miles of double-circuit conductors	Total miles single- and double-circuit conductors to Oct. 31, 1932
Total to Oct. 31, 1932	Total to Oct. 31, 1932	Total to Oct. 31, 1932	
16,184	1.31	....	1.31
131,040	19.50	....	19.50
139,815	55.82	34.23	90.05
6,555	....	1.83	1.83
198,840	31.22	....	31.22
15,702	3.11	....	3.11
235,225	49.71	12.20	61.91
43,972	12.27	2.60	14.87
27,033	13.53	....	13.53
8,497	6.76	....	6.76
822,863	193.23	50.86	244.09

ABITIBI DISTRICT

HIGH-VOLTAGE TRANSMISSION LINES

WEIGHT OF CONDUCTORS

Weight in pounds		Miles of single-circuit lines	Total mileage of single-circuit lines completed to Oct. 31, 1932
Completed Oct. 31, 1931 to Oct. 31, 1932	Total to Oct. 31, 1932	Completed Oct. 31, 1931 to Oct. 31, 1932	
23,640	23,640	30.00	30.00
61,732	61,732	160.76	160.76
85,372	85,372	190.76	190.76

APPENDIX III

DISTRIBUTION LINES AND SYSTEMS

Summaries of Data respecting Rural Distribution Systems, Distribution Feeders, Metering Stations, Distributing Stations and Distributing Systems constructed by the Hydro-Electric Power Commission.

Below is shown in tabular and descriptive form the work carried on under the supervision of the Distribution section of the Electrical Engineering department during the year ended October 31, 1932.

The work includes the construction of rural distribution systems, the installation of feeders to supply urban municipalities and the construction of metering equipments.

Work in connection with distribution systems was done by the Commission for certain municipalities, private companies, etc., at the request and at the expense of the parties concerned.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System	At October 31, 1931		At October 31, 1932	
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
Niagara System	6,094.8	40,394	6,489.84	44,019
Georgian Bay System—				
Severn district	244.3	2,023	277.59	2,489
Eugenia district	160.4	862	181.18	928
Wasdells district	210.3	1,238	222.32	1,468
Muskoka district	55.3	320	92.50	532
Bala district	31.2	183	34.05	206
Eastern Ontario System—				
Central Ontario district	813.7	5,437	914.65	6,436
St. Lawrence district	356.0	2,147	380.00	2,270
Rideau district	64.8	385	75.18	439
Madawaska district	9.3	53	10.09	67
Ottawa district	165.1	988	176.64	1,047
Thunder Bay System	....	....	36.45	123
Northern Ontario System—				
Nipissing district	9.5	250	11.88	285
Manitoulin Island	....	....	16.00	....
Totals	8,196.7	54,281	8,918.37	60,309

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS

NIAGARA SYSTEM

Rural power district	Property number	At October 31, 1931		At October 31, 1932	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
Acton	N5D1	7.7	25	8.00	26
Ailsa Craig	N4D7	6.0	18	6.00	19
Alvinston	N18D9	6.5	10	4.50	10
Amherstburg	N15D3	59.6	544	64.29	586
Aylmer	N11D2	97.1	561	110.10	614
Ayr	N12D4	22.7	82	23.01	85
Baden	N7D1	89.2	413	96.27	436
Beamsville	N1D4	135.9	916	155.08	1,452
Belle River	N15D2	43.4	358	43.83	368
Blenheim	N14D3	56.0	299	58.36	327
Bond Lake	N3D3	147.0	1,261	156.90	1,463
Bothwell	N14D10	35.5	125	37.58	136
Brampton	N13D2	51.6	185	51.62	182
Brant	N12D1	97.3	510	103.67	549
Brigden	N18D8	34.8	110	35.63	110
Burford	N12D2	47.7	257	48.87	264
Caledonia	N2D5	95.1	449	101.75	482
Chatham	N14D1	131.6	786	142.91	806
Chippawa	N1D7	20.6	127	25.73	174
Clinton	N8D11	65.6	359	66.33	377
Delaware	N4D3	120.8	634	125.82	656
Dorchester	N4D1	109.7	551	109.40	579
Dresden	N14D12	24.2	89	24.23	89
Drumbo	N12D5	52.0	247	54.58	268
Dundas	N2D1	92.3	642	107.01	735
Dunnville	N1D9	9.1	60	16.47	73
Dutton	N11D3	46.9	191	46.85	199
Elmira	N7D3	20.0	79	23.23	81
Elora	N5D4	40.6	273	44.88	270
Essex	N15D7	84.2	442	87.86	456
Exeter	N4D6	63.0	551	65.46	596
Forest	N18D6	38.6	134	41.02	146
Galt	N6D2	37.0	290	37.80	300
Georgetown	N5D2	49.1	239	55.33	276
Goderich	N8D2	36.5	172	40.40	184
Grantham	N1D2	51.1	502	60.78	769
Guelph	N5D3	87.1	537	87.46	534
Haldimand	N2D8	49.8	246	50.13	283
Harriston	N8D5	23.0	57	23.00	64
Harrow	N15D4	66.9	588	67.19	616
Ingersoll	N10D3	182.1	656	184.44	667
Jordan	N1D3	32.9	342	33.46	362
Keswick	N3D5	53.6	888	56.31	955
Kingsville	N15D5	127.2	1,305	131.54	1,349
Listowel	N8D8	49.2	555	76.39	346

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1931		At October 31, 1932	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM—Concluded					
London	N4D2	184.2	1,938	190.49	2,012
Lucan	N4D5	33.0	117	33.68	122
Lynden	N2D2	51.0	239	54.23	253
Markham	N3D1	102.2	746	112.88	843
Merlin	N14D15	77.9	289	87.76	316
Milton	N13D3	45.9	365	64.28	340
Milverton	N8D9	36.0	162	40.17	178
Mitchell	N8D7	64.3	344	67.00	368
Newmarket	N3D4	55.1	316	60.95	345
Niagara	N1D1	46.1	290	48.28	308
Norwich	N10D1	90.5	417	106.70	474
Oil Springs	N18D3	14.9	96	20.81	116
Palmerston	N8D6	32.9	101	37.94	137
Petrolia	N18D5	14.5	57	14.78	57
Preston	N6D1	139.0	926	138.10	974
Ridgetown	N14D2	104.1	677	104.50	693
St. Marys	N9D1	111.0	428	114.80	447
St. Jacobs	N7D2	65.7	367	68.67	374
St. Thomas	N11D1	154.1	1,072	160.73	1,115
Saltfleet	N17D1	84.2	1,033	93.03	1,507
Sandwich	N15D1	125.7	2,145	127.29	2,055
Sarnia	N18D4	87.5	1,137	87.44	1,156
Scarboro	N3D2	76.2	584	80.06	669
Seaforth	N8D10	11.3	134	16.60	157
Simcoe	N12D6	64.1	314	67.30	377
Stamford	N1D6	12.6	289	12.37	292
Stratford	N8D4	35.3	226	37.00	222
Strathroy	N4D4	78.3	238	78.55	243
Streetsville	N13D1	96.0	386	102.75	452
Tavistock	N8D1	79.5	317	79.63	319
Thamesville	N14D11	62.9	251	68.06	275
Tilbury	N14D14	50.1	251	59.16	253
Tillsonburg	N10D4	108.4	553	110.04	571
Wallaceburg	N14D13	83.2	537	83.39	546
Walsingham	N12D7	67.0	359	78.58	433
Walton	N8D3	53.4	229	42.34	271
Waterdown	N2D3	36.0	364	67.40	869
Waterford	N12D3	64.4	257	69.75	304
Watford	N18D7	17.6	57	17.55	57
Welland	N1D5	264.5	2,534	273.60	2,585
Woodbridge	N16D1	188.1	974	194.31	981
Woodstock	N10D2	127.3	614	125.42	634

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1931		At October 31, 1932	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
GEORGIAN BAY SYSTEM					
Severn District					
Alliston	S32D1	23.3	133	23.57	145
Barrie	S4D1	51.3	402	60.04	560
Beeton	S33D1	0.3	1	1.80	5
Bradford	S37D1	22.2	72	27.07	88
Buckskin	S24D1	0.9	15	0.95	15
Cookstown	S35D1	0.5	2	0.50	2
Creemore	S10D2	19.3	64	30.00	134
Elmvale	S7D1	25.5	151	25.50	158
Hawkestone	S9D1	26.0	110	26.80	152
Innisfil	S31D1	27.7	355	27.97	432
Medonte	S18D1	8.3	50	9.18	51
Midland	S1D1	10.1	39	12.13	43
Nottawasaga	S5D1	7.8	90	7.89	92
Thornton	S36D1	8.0	30	8.00	30
Wasaga Beach	S10D1	13.1	509	16.19	582
Eugenia District					
Arthur	E13D2	2.4	9	2.40	10
Bruce	E19D1	39.1	161	50.99	177
Chatsworth	E3D1	0.0	22	0.00	22
Flesherton	E1D1	1.6	32	2.60	39
Holstein	E7D1	0.5	6	0.50	8
Lucknow	E24D1	0.1	2	0.11	2
Markdale	E1D2	13.6	60	13.00	66
Meaford	E14D1	0.8	2	1.11	6
Neustadt	E8D1	0.5	4	0.50	4
Orangeville	E12D1	20.2	76	22.70	93
Owen Sound	E2D1	1.3	12	1.87	18
Ripley	E24D2	4.0	11	4.07	12
Shelburne	E10D1	6.9	26	12.51	47
Sauble	E46D1	10.0	60	9.37	41
Tara	E15D1	23.5	112	23.50	110
Wroxeter	E22D1	35.9	267	35.95	273
Wasdells District					
Beaverton	W2D1	6.1	34	14.01	184
Cannington No. 1	W3D1	4.0	24	4.05	24
Cannington No. 2	W3D2	5.6	22	5.60	22
Georgina	W2D2	15.5	107	11.56	121
Mariposa	W9D1	46.9	310	47.14	312
Port Perry	W12D1	48.5	314	48.66	344
Sparrow Lake	W1D1	27.4	203	30.15	235
Uxbridge	W11D1	60.3	224	62.15	226
Muskoka District					
Beaumaris	M7D1	22.3	173	22.46	207
Baysville	M10D1	....	....	31.25	129
Gravenhurst	M4D1	....	....	2.30	13
Huntsville	M2D1	15.0	63	18.70	77
Utterson	M8D1	18.0	84	17.79	106
Bala District					
Bala	GB13D1	31.2	183	34.05	206

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Continued

Rural power district	Property number	At October 31, 1931		At October 31, 1932	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
EASTERN ONTARIO SYSTEM					
Central Ontario District					
Belleville	C38D1	80.7	626	81.81	657
Bowmanville	C23D1	28.7	117	28.98	129
Brighton	C6D1	9.2	42	10.15	63
Campbellford	C11D1	22.0	84	21.50	80
Cobourg	C13D1	67.4	307	90.29	453
Colborne	C7D1	23.4	130	31.07	151
Fenelon Falls	C30D1	18.5	113	18.45	125
Kingston	C44D1	91.3	563	110.90	650
Lakefield	C18D1	16.7	59	23.35	88
Lindsay	C29D1	4.9	23	13.65	71
Millbrook	C25D1	16.1	71	19.08	100
Napanee	C43D1	79.6	403	107.72	510
Newcastle	C22D1	25.9	115	26.35	121
Norwood	C31D1	7.4	52	7.70	59
Oshawa	C24D1	86.0	826	100.74	1,484
Omemee	C26D1	3.0	2	3.00	2
Peterborough	C20D1	57.8	947	60.65	998
Stirling	C35D1	26.7	105	27.43	109
Trenton	C3D1	41.4	193	41.55	202
Warkworth	C49D1	0.4	6	0.40	6
Wellington	C45D1	88.6	363	89.88	378
St. Lawrence District					
Alexandria	L15D1	16.9	78	20.33	105
Brockville	L3D1	87.6	598	92.56	629
Chesterville	L5D1	46.5	318	46.87	331
Iroquois	L9D1	80.5	397	90.17	411
Martintown	L13D1	20.0	147	20.94	138
Maxville	L14D2	58.3	349	59.22	377
Prescott	L2D1	34.8	205	37.17	212
Williamsburg	L7D1	11.4	55	12.74	67
Rideau District					
Carleton Place	H5D1	....	....	0.50	4
Perth	H2D1	8.6	38	14.82	56
Smiths Falls	H3D1	51.3	314	54.43	337
Kemptville	H9D1	4.9	33	5.43	42
Madawaska District					
Arnprior	QM10D1	4.2	44	4.97	58
Renfrew	QM16D1	5.1	9	5.12	9
Ottawa District					
Nepean	T1D1	165.1	988	176.64	1,047
THUNDER BAY SYSTEM					
Fort William	P10D1	....	....	26.27	80
Port Arthur	P2D1	....	....	10.18	43

DETAILS OF CONSTRUCTION IN RURAL POWER DISTRICTS—Concluded

NORTHERN ONTARIO SYSTEM

Rural power district	Property number	At October 31, 1931		At October 31, 1932	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIPISSING DISTRICT					
North Bay	Z4D1	8.5	250	8.56	278
Powassan	Z8D1	1.0	....	3.32	7
Manitoulin	FR2D1	....	....	16.00	....

DISTRIBUTION FEEDER CONSTRUCTION

During the year ending October 31, 1932, the following work was carried on in connection with distribution feeders.

N 342 x 15—Bond Lake Distribution Station to Kettleby

This line has been taken down except one half mile which was previously transferred to Bond Lake Rural Power District.

N 740 x 9—Waterloo Rural Station to Bridgeport

A section of rural line 2.9 miles in length was transferred from Preston Rural Power District to form this line. 1.25 miles was converted to 3 phase from single phase. Completed November 1, 1931.

N 1036 x 7—Norwich Distribution Station to Burgessville

Crossarms were replaced and slack pulled up on this line. The work was completed October 14, 1932.

N 1370 x 7—W. D. Reid & Son Junction to Toronto Milling Co.

This line has been transferred to Streetsville Rural Power District as of October 1, 1932.

N 1432 x 18—Tilbury Distributing Station to M.C.R.

This line was transferred to Tilbury Rural Power District as of March 1, 1932.

E 4 x 402—Chesley Distributing Station to Paisley

The capital in this feeder was transferred to 22,000 volt Transmission Line—E 69 x 19 as of November 1, 1931.

E 24 x 2403—Holyrood Distributing Station to Ripley

Air break switch was installed at limits of Ripley. The work was completed August 15, 1932.

E 48 x 4803—Walkerton Rural Station to Mildmay

The portion of this line from Otter Creek to Mildmay was purchased and the whole line rebuilt. The line is 5.32 miles long. Placed in service October 17, 1932.

M 462 x 2—Muskoka Beach Junction to Muskoka Beach Co.

This line was transferred to Gravenhurst Rural Power District as of November 1, 1931.

C 45 x 4502—Wellington Distributing Station to Bloomfield

A neutral conductor was added, the work was completed February 24, 1932.

C 49 x 4901—Warkworth Distributing Station to Warkworth

This line was reconstructed and the work was completed December 9, 1931.

STATIONS CONSTRUCTED

Station	Property number	Date work was completed	Transforming or measuring power for
Wheatley M.E. [a]	N1549	Sept. 9, 1932	Wheatley.
Bradford R.M.E.	S37D31	Nov. 28, 1931	Bradford R.P.D.
Bruce R.M.E.	E19D31	May 21, 1932	Bruce R.P.D.
Mildmay M.E.	E4833	Oct. 7, 1932	Mildmay.
Beaverton R.M.E.	W2D31	July 30, 1932	Beaverton R.P.D.
Port Carling D.S. [b]	GB1332	June 30, 1932	Port Carling.
Colborne R.S.	C7D31	April 7, 1932	Colborne R.P.D.
Lakefield R.M.E.	C18D31	May 2, 1932	Lakefield R.P.D.
Westport M.E.	H1231	Nov. 4, 1931	Westport
Perth R.M E.	H2D31	Nov. 20, 1931	Perth R.P.D.
Port Arthur R.M.E.	P2D31	Jan. 25, 1932	Port Arthur R.P.D.

a Demand meter replaced with Graphic Watthour meter.
b Transformer capacity increased and meters added.

The following work was done for Municipalities:

Municipality	Date work completed	Nature of work
Alliston	Nov. 11, 1932	Reconstruct and extend local system.
Bradford	Jan. 22, 1932	Recondition and extend local system.
Westport	Nov. 14, 1931	Construct Distribution System.
Grand Valley	Dec. 15, 1931	Recondition local system.
Walkerton	Jan. 18, 1932	Reconstruct local system.
Bala	June 30, 1932	Extend local system.
Port Carling	June 30, 1932	Extend local system.

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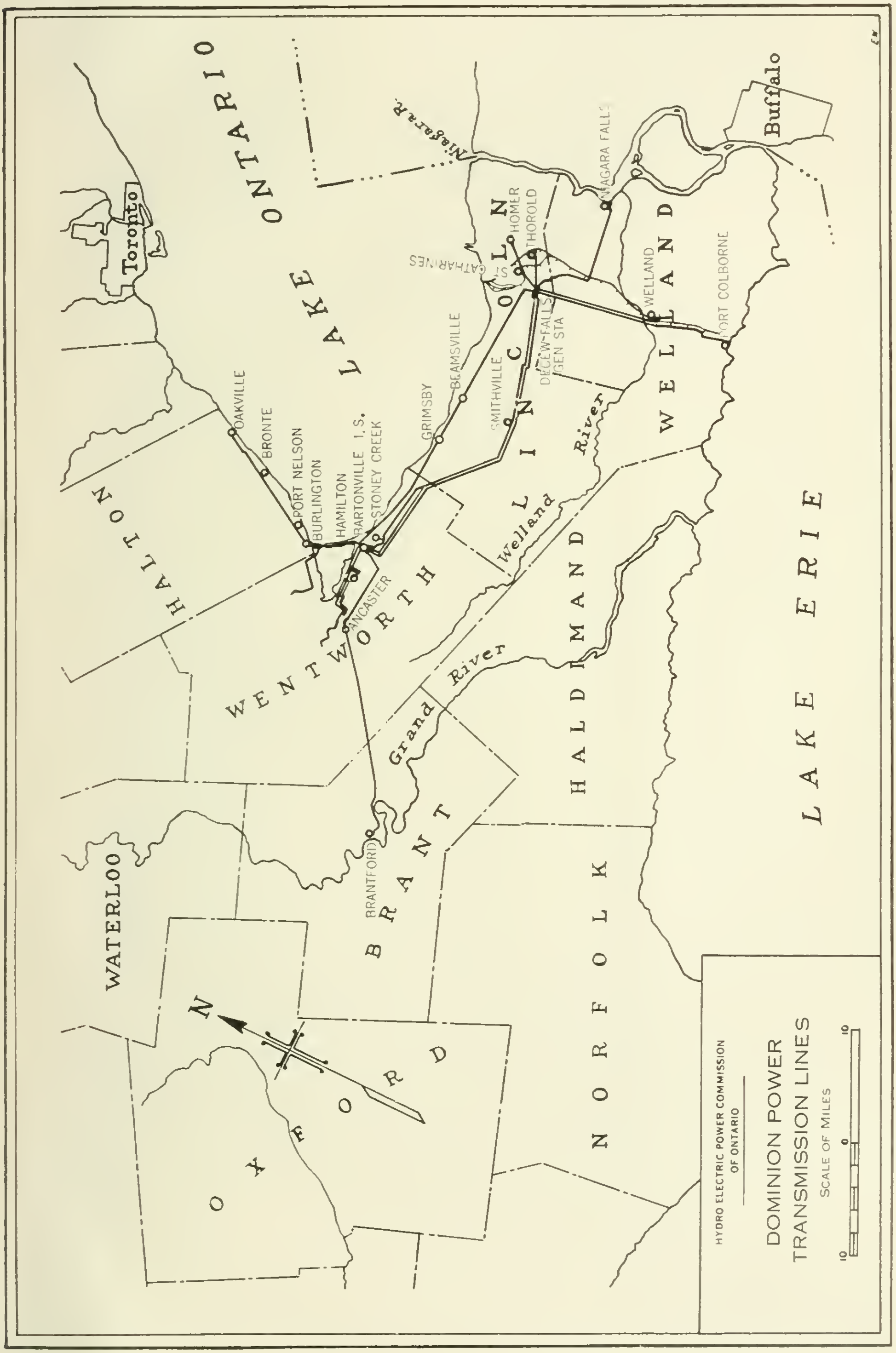
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